Science Institute of the Northwest Territories

Recent Research in the N.W.T.
1986-1987

88-02715/

Contents

Introduction ... 1

Baffin Region ... 5

Fort Smith Region ... 29

Inuvik Region ... 39

Keewatin Region ... 54

Kitikmeot Region ... 60

Research Reports ... 66

Introduction

How and why do pingoes grow?

Did dinosaurs live on the Arctic Islands, thousands of years ago?

Is the Arctic affected by acid rain and other airborne pollutants?

How do whales react when icebreakers go through their feeding grounds?

How is the Inuktitut language growing and changing?

Are people who eat country food better nourished than those who buy groceries at the store?

Are the present standards of maternity care in the North acceptable?

These are just a few of the questions currently being investigated by researchers working in the Northwest Territories. In this booklet, you will become acquainted with almost 250 research projects that have been undertaken in the last two years, between January 1, 1986 and December 31, 1987. All of this work was licenced through the Science Institute of the N.W.T.

The studies listed here cover a wide range of disciplines, including physical, life, and human sciences. Much of the physical-science research being done in the North focuses on the history of the Earth and its landforms. Researchers wonder about the effects of the glaciers during past Ice Ages. They want to know if long-ago movements of the continents and subcontinents can be read in present-day rocks and surface features. As we face the prospect of climate change brought about by air pollution, they are anxious to learn more about the causes and effects of climate change in the past. Other physical scientists are investigating northern phenomena such as pingoes, permafrost and naturally acidic lakes.

One of the most spectacular achievements in the physical sciences during the last several years has been the discovery and analysis of fossil forests on certain islands in the far North. Millions of years ago, researchers say, the Arctic was a tropical paradise, lush, green and warm. Even today, there are places where large fossil stumps protrude from the icy ground. Last year, another exciting element was added to the story when a dinosaur bone was found on Bylot Island, just north of Pond Inlet. It was the most northerly dinosaur bone ever found and permits us to imagine those enormous beasts lounging in swamps across the Arctic long ago.

Insects and antifreeze

In addition to the work that is done in the physical sciences, a great deal of research in the life sciences is also carried out each year. One common theme is an attempt to understand more about the ways in which Arctic organisms survive under harsh conditions. Recent discoveries include the fact that at least one species of Arctic insect makes its own antifreeze. And did you ever wonder what special mechanisms tundra plants have developed to deal with permafrost, the long winter darkness and severe cold? These are amongst the questions that biologists are investigating.

Additional information about wildlife research is available from the Department of Renewable Resources, Government of the N.W.T., Box 1320, Yellowknife, NWT, X1A 2L9.

Medical research is another important aspect of the life sciences, and one which appears to be underrepresented in the scientific work being done in the Territories. This also seems to be the case for the human sciences -- linguistics, anthropology, sociology, economics, political science, and so on -- disciplines which are potentially of great importance to the people of the NWT. In the past two years, less than 25 % of the projects licenced through the Science Institute were in the human sciences. The research that was carried out included investigations of caribou management boards, native broadcasting, parks planning, and native training programs.

Information about archaeological research is not included in this listing but is available from the Prince of Wales Northern Heritage Centre, Department of Culture and Communications, Government of the NWT, Box 1320, Yellowknife, NWT, X1A 2L9.

If you want to know more about any of the projects listed here, we encourage you to contact Laurie Nowakowski or Candace Savage at the Science Institute or, better yet, to write to the researcher whose work interests you. To give you an idea of the information that may be available, we have included a list of all the research reports received to date that relate to the projects mentioned in this booklet. Where possible, we will be happy to supply copies of this material on request but remind you that the researchers themselves are the best source of information.

If you are a scientist who is working in the NWT and whose research is not included here, please contact us. We would like to ensure that your work is acknowledged in future listings.

-- February, 1988

Baffin Region

1986

Location: across the Northwest Territories

Abele, Frances
Arctic Institute of North America
University of Calgary
2500 University Dr. NW
Calgary, Alberta
T2N 1N4

What factors contribute to the success of a training program for native northerners? What factors lead to failure? Frances Abele, as Director of the Native Employment Training Study, is trying to draw some conclusions.

1986, 1987

Location: Axel Heiberg Island

Adams, Peter
Dept. of Geography
Trent University
Box 4800
Peterborough, Ontario
K9J 7B8

Colour Lake, on Axel Heiberg Island, is naturally acidic and has been for thousands of years. Dr. Adams and his students took samples for study. They also continued their measurements of White Glacier, to study the effects of climate change.

1986

Location: Iqaluit and Nettling Lake

Aiken, Susan
Assistant Curator
Botany Division
National Museum of Canada
Ottawa, Ontario
K1A 0M8

A plant can develop differently depending on where it grows. Susan Aiken is interested in the way grass plants differ with their environment.

1987

Location: Ellesmere Island

Alexander, Vera
Institute of Marine Science
University of Alaska
Fairbanks, Alaska 99775

A polynya is an area where the sea stays open year round and which is consequently very rich in marine life. Vera Alexander is studying the distribution of microscopic plants and the characteristics of the water in a polynya at Knut Peninsula.

1987

Location: outer coast of Frobisher Bay

Andrews, John T.
Institute of Arctic and Alpine Research
University of Colorado
Box 450
Boulder, Colorado 80309

Did you ever wonder about the climate on the outermost coast of Frobisher Bay for the last 10,000 or 20,000 years? John Andrews and his coworkers have. By examining fossils in a number of different ways, they hope to learn more.

1986

Location: Ellesmere Island

Appollonio, Spencer
31 Eastern Avenue
Boothbay Harbor, Maine 04538

Spencer Appollonio wants to find out about the relationships between two different types of microscropic plants (algae and phytoplankton) in Arctic waters. Do chemicals released by one help the other grow?

1987

Location: across the NWT

Barreto, Luis
Department of Health
Government of the NWT
Box 1320
Yellowknife, NWT
X1Z 2L9

This project is designed to find out more about cancer among Inuit people. How common is the disease? What kinds of cancers occur most often? What age groups are affected? Are the patterns the same in Canada as in other circumpolar regions? This questions will be answered by reviewing medical records and statistics.

1986, 1987

Location: Axel Heiberg and Ellesmere islands

Basinger, James F.
Dept. of Geological Sciences
University of Saskatchewan
Saskatoon, Saskatchewan
S7N 0W0

James Basinger's investigation of the fossilized remains of ancient tropical forests on Axel Heiberg Island made headlines -- but it is just one aspect of a study of the history of plants at high latitudes.

1987

Location: Iqaluit

Bean, Philip
Dept. of Social Administration and Social Work
University of Nottingham
University Park
Nottingham NG7 2RD England

What are the best ways to provide services for criminals and people with mental health problems in "remote areas"? Phillip Bean visited Iqaluit as part of his investigation.

1986

Location: Iqaluit and Coral Harbour

Beardsall, Ken
369 Hunter St. W., Apt. #8
Peterborough, Ontario
K9H 2M6

How do Inuit observe the atmosphere and predict weather? Ken Beardsall tried to answer this question by talking to people in Coral Harbour and Iqaluit.

1986

Location: Beechey Island

Beattie, Owen
Dept. of Anthropology
University of Alberta
Edmonton, Alberta
T6G 2H4

Owen Beattie used modern methods of analysis to determine the cause of death of three people buried on Beechey Island in the 1840s. His conclusions are the subject of a forthcoming book called "Frozen in Time."

1987

Location: Ellesmere Island

Beaudet, Hector
Dept. of Geography
University of Alberta
Edmonton, Alberta
T6G 2H4

Glaciers advanced and retreated over northern Ellesmere Island during the last Ice Age. What was the pattern and timing of these events? What was the island like during and after the glaciations?

1987

Location: Ellesmere Island

Bednarski, Jan
Dept. of Geography
Trent University
Peterborough, Ontario
K9J 7B8

What is the history of the land near Nansen Sound on northern Ellesmere Island, during the last few million years? This study hopes to find out by studying material on the surface of the ground, as well as by "mapping" layings underneath.

1987

Location: Devon Island

Beyens, L.
Dept of Botany
State University of Antwerp
(RUCA)
Groenenborgerlaan 171
B-2020 Antwerp, Belgium

Dr. Beyens and his coworker want to know about microscopic animals (testate amoebae and diatoms) as they occur on Devon Island. Their study will look at the ecology, distribution and community structure of these creatures.

1986, 1987

Location: Devon Island and King Christian Island

Bliss, Lawrence C.
Professor of Botany
University of Washington
Seattle, Washington
98195

Lawrence Bliss is studying the plants of Truelove Lowl and on Devon Island and Cape Abernathy on King Christian Island. He is particularly interested in the relationship between plants and other living things.

1986, 1987

Location: Inuvik, Tuktoyaktuk; Eskimo Pt., Igloolik, Rankin

Boileau, Marc. G.
Dept. of Biology
University of Windsor
Windsor, Ontario
N9B 3P4

Marc Boileau is interested in the ecology and population genetics of freshwater invertebrates in the Arctic. His research took him to Inuvik and Tuk in 1986 and to Eskimo Point, Igloolik and Rankin in 1987.

1986, 1987

Location: Iqaluit, Broughton Island, Clyde River, etc.

Burden, Elliott
Centre for Earth Resources Research
Memorial University of Nfld.
St. John's, Nfld.
A1B 3X5

Elliott Burden attempted to determine the ages of various rock deposits on and around Baffin Island and to learn about ancient plants. In the process, he and Joshua Enookoolook of Pond Inlet found the toe bone of a dinosaur that lived on Bylot Island 70,000,000 years ago. It was the most northerly dinosaur bone ever found.

1986

Location: Baffin region

Butler, Richard S.
Communications Research Centre
Dept. of Communications
3701 Carling Avenue
Box 11490, Station H
Ottawa, Ontario K2H 8S2

The Department of Communications installed light metal towers at nineteen locations, to measure the levels of radio signals transmitted in the VHF and UHF bands.

1987

Location: Nanisivik, Arctic Bay and Resolute Bay

Butterfield, Nicholas J.
Bottanical Museum
Harvard University
Cambridge, Mass 02138

There are rocks (sedimentary deposits) on Baffin and Somerset Island that are a billion years old, maybe even older. This study will learn more about them.

1987

Location: Akpatok Island

Chapdelaine, Gilles
Environment Canada
1141, route de l'Eglise
Sainte-Foy, Quebec
G1V 4H5

Gilles Chapdelaine is studying a Thick-billed Murre colony on Akpatok Island. He wants to learn as much as possible about their reproductive biology and habitat requirements.

1986

Location: Iqaluit

Colbourne, Eric
146 Regent Avenue
Beaconsfield, Quebec
H9W 5A7

Eric Colbourne conducted a study of the Baffin Divisional Board of Education.

1986

Location: Arctic Bay

Conlon, Paula Thistle
1476 Farnsworth Avenue
Ottawa, Ontario
K1H 7C3

Paula Conlon wants to learn about Inuit drum dance songs. She had planned to do so by recording drum dance songs and conducting interviews in Arctic Bay but bad weather prevented from making her trip. She is now basing her project on a collection of 200 songs that were recorded in Pond Inlet in the 1970s.

1986, 1987

Location: Admiralty Inlet, Lancaster Sound

Cosens, Susan E.
Freshwater Institute
501 University Crescent
Winnipeg, Manitoba
R3T 2N6

How do narwhal and beluga in Lancaster Sound respond to icebreakers? Susan Cosens kept track of where the whales were and what they were doing before, during and after the icebreakers went through. She also played recorded vessels noises to the whales in order to study their reaction.

1987

Location: communities in the Baffin and Keewatin

Cummins, W. Raymond
Dept. of Botany
Erindale Campus
University of Toronto
Mississauga, Ontario
L5L 1C6

Raymond Cummins and his coworkers visited Eskimo Point, Rankin Inlet, Chesterfield Inlet, Repulse Bay, Pond Inlet and Resolute Bay to collect plants and seeds. They are especially interested in the respiration and growth rates of Arctic plants.

1986, 1987

Location: Pangnirtung

Dale, Janis E.
Dept. of Geography
Queen's University
Kingston, Ontario
K7L 3N6

In 1986, Janis Dale and John Glew investigated the sediments on the bottom of Pangnirtung Fiord and the plants and animals that live there. The next year, Janis Dale returned to study breakup and freezeup over the tidal flats.

1987

Location: Ellesmere, Axel Heiberg and Devon islands

Dawson, Mary R.
Carnegie Museum of Natural History
4400 Forbes Avenue
Pittsburgh, Pa. 15213

Fossil hunters! Mary Dawson and her colleagues are exploring various sites in the High Arctic, including fossil forests, in the hopes of finding fossilized remains of ancient animals. They hope to find animals older and younger than those previously found.

1986, 1987

Location: Igloolik, Eskimo Point, Rankin Inlet

Dewar, Patricia
719 5th Avenue North
Saskatoon, Saskatchewan
S7K 2R6

Patricia Dewar visited Inuit communities to learn how to do drum dancing and to talk to people about the experience of dancing. She hopes to help make a video that will show old and new ways of performing.

1986, 1987

Location: Ellesmere Island and Devon Island

Dixon, O.A.
Centre for Geoscience Studies
Dept. of Geology
Carleton University
Ottawa, Ontario
K1S 5B6

The 1986 project was designed to collect information about the geological history of the Somerset-Cornwallis-Devon Islands region. In 1987, Dr. Dixon and his coworkers visited Ellesmere and Devon Island. They are trying to discover the major forces at work on the Canadian Arctic Island half a billion years ago.

1986

Location: Sarcpa Lake, Mackar, Brevoort Lake, Igloolik

Dredge, Lynda
Terrain Sciences Division
Geological Survey of Canada
601 Booth St.
Ottawa, Ontario
K1A 0E8

How did the glaciers move over the areas around Sarcpa Lake, Mackar, Brevoort Lake and Igloolik? Lynda Dredge collected information to help answer this question.

1987

Location: Ellesmere Island

England, John
Dept. of Geography
University of Alberta
3-32 HM Tory Building
Edmonton, Alberta
T6G 2H4

How did the glaciers move over northern Ellesmere Island during the last Ice Age? Their story can be read from the rocks and land forms of the present day. This study will involve surveying and mapping, as well as the collection of fossils and petrified wood.

1986, 1987

Location: Ellesmere Island

Evans, David
Dept. of Geography
University of Alberta
3-32 HM Tory Building
Edmonton, Alberta
T6G 2H4

David Evans is studying the advance and retreat of the glaciers at Phillips Inlet, on northwest Ellesmere Island.

1986

Location: Ward Hunt Island

Fiennes, Ranulph
P. U.N.S. Expedition
10 Belgrave Road
Barnes
London SW13 9N3
England

As part of an Arctic expedition, Ranulph Fiennes and his party recorded ice stress on the ice shelf of Ward Hunt Island and collected meterological data.

1987

Location: Axel Heiberg and Ellesmere Islands

Gruchy, C.G.
Assistant Director
Collections and Research
National Museum of Natural Sciences
Ottawa, Ontario K1A 0M8

The researchers surveyed several known Arctic fossil forests and searched for new ones. They also checked a site that may contain ancient fossil fish.

1987

Location: Igloolik

Guay, Helene
12 rue Masse
Lauzon, Levis
G6V 1V5

When Inuit women take jobs, how does it affect their situation at home and in their communities? What can be learned from their life stories? Helene Guay went to Igloolik to investigate these questions.

1986

Location: Iqaluit

Guenette, Christine
333 James Street, Apt. #2
Ottawa, Ontario
K1R 5M8

What ways of settling disputes do Inuit people usually use? Are their ideas and methods reflected in the organization of Maliganik Tukisiiniakvik? Those were the questions that Christine Guenette intended to investigate.

1987

Location: Iqaluit

Haertling, Joachim
Queen's University
Kingston, Ontario
K7L 3N6

Joachim Heartling wants to find out how toxic substances from an abandoned DEW-line dump site have moved through the soil and water. His data will be used to improve management of both abandoned and active dump sites.

1987

Location: Yellowknife, Rankin, Eskimo Pt, Iqaluit, Igloolik

Harnum, Betty
Culture & Communications
Government of the NWT
Box 1320
Yellowknife, NWT
X1A 2L9

Betty Harnum is studying the way Inuktitut is changing in the Eastern Arctic and Keewatin. She is looking into the development of new words, as well as changes in sounds and sentence structures.

1987

Location: Igloolik

Hebert, Paul
Dept. of Biological Sciences
University of Windsor
Windsor, Ontario
N9B 3P4

Paul Hebert and his coworkers are studying the "family relationships" of various kinds of animals that live in tundra lakes. One things that has caught their attention is the existence of clones (populations of genetically identical individuals) of small crustaceans.

1986, 1987

Location: Iqaluit, Pangnirtung, Pond Inlet

Hudson, W. Donald, Jr.
Assistant Director
Chewonki Foundation
Wiscasset, Maine 04578

There is a common kind of saxifrage plant that reproduces asexually. Donald Hudson wants to know how and why they do this.

1987

Location: Pangnirtung

Hyatt, James A.
Dept. of Geography
Queen's University
Kingston, Ontario
K7L 3N6

This study will use a variety of methods to learn more about ground ice and permafrost.

1986, 1987

Location: Nettling Lake and Amadjuak Lake

Jacobs, John D.
Dept. of Geography
University of Windsor
Windsor, Ontario
N9B 3P4

What was Baffin Island like, in terms of climate, vegetation and landforms, in the distant past? John Jacobs visited Iqaluit, Nettilling Lake and Amadjuak Lake to conduct surveys.

1986, 1987

Location: Hobson's Ice Island, near Ellesmere Island

Jeffries, Martin O.
Geophysical Institute
University of Alaska
Fairbanks, Alaska
99775-0800

An ice island really is a floating island of ice, formed by "calving" off an ice shelf. Martin Jeffries is studying the different types of ice involved to see if he can predict where new islands will form and what parts of the shelf will grow.

1987

Location: Ellesmere Island

Jung, Arthur
1648 West 49 Avenue
Vancouver, B.C.
V6M 2R9

Arthur Jung studied the geology of north-central Ellesmere Island.

1986

Location: Devon Island

Kelly, Peter
Dept. of Geography
Social Science Centre
University of Western Ontario
London, Ontario
N6A 5C2

"Raised beaches" are steps (terraces) of land that formed as the glaciers of the last Ice Age left the North. Peter Kelly studied several raised beaches to see what he could learn about the differences between them.

1986

Location: Devon Island

King, Roger H.
Dept. of Geography
Social Science Centre
University of Western Ontario
London, Ontario
N6A 5C2

The glaciers took several thousand years to retreat from Devon Island. At the same time, the coastal lowlands slowly emerged from the sea. How did the plant life change while this was happening?

1987

Location: across the NWT

Kinloch, David
Medical Services Branch
Health and Welfare Canada, and
Barreto, Luis
GNWT Department of Health
Yellowknife, NWT

There is a new medicine, called the Connaught vaccine, that keeps babies from getting meningitis. It has been used in other places, but never before in the NWT. Will it be safe and effective here too? The answer is likely "yes" but this study was designed to make sure.

1987

Location: Igloolik, Iqaluit and Hall Beach

Koebberling, Uschi
Dept. of Communication
Simon Fraser University
Bunaby, B.C.
V5A 1S6

How has the introduction of new communication technologies affected people in the North? Has the process been different in the eastern and western Arctic? These are some of the questions Uschi Koebberling is trying to answer.

1986, 1987

Location: Devon and Ellesmere islands

Kukal, Olga
Dept. of Biology
University of Notre Dame
Notre Dame, Indiana 46556

How is the "arctic woolly-bear caterpillar" able to survive in the high Arctic? Part of the answer, as it turns out, is anti-freeze! Olga Kukal is continuing her investigations.

1986

Location: Igloolik

Lammel, Annamarie
Dept. of Anthropology
Carleton, University
Ottawa, Ontario
K1S 5B6

What are the Inuit concepts of time and space? Annamarie Lammel visited Igloolik to begin her studies

1986

Location: across the N.W.T.

Lange, Lynda
Boreal Institute for Northern Studies
CW401 Bio Sciences Blg.
University of Alberta
Edmonton, Alberta T6G 2E9

Dr. Lange contacted twenty northern native organizations to learn their views on scientific research. She concluded that native organizations want greater involvement in and control of research that affects them. "Joint ventures and cooperative, or partnership, research is strongly recommended...."

1987

Location: across the NWT

Lavoie, Susan
Box 836
Yellowknife, NWT
X1A 2N6

The NWT Child Care Association conducted a survey to assess child-care needs in all NWT communities. Their goal was to prepare a report and action plan for the development of child-care services in the NWT.

1987

Location: Resolute Bay

Lehn, Waldemar H.
University of Manitoba
Dept. of Electrical Engineering
Winnipeg, Manitoba
R3T 2N2

Mirages -- how do they happen? How do they occur during temperature inversions, when upper layers of air are colder than those near the ground? Can the behaviour of light provide a measure of temperature at long distances?

1986, 1987

Location: Ellesmere Island

Lemmen, Donald
Dept. of Geography
University of Alberta
3-32 HM Tory Building
Edmonton, Alberta
T6G 2H4

Donald Lemmen wants to know what northern Ellesmere Island was like during the last Ice Age. How far did the ice extend? Are there presentday landforms that existed before the glaciers came?

1987

Location: Igloolik, Sarcpa Lake

Lewis, Martin and Kelly Robinson
Department of Biology
York University
4700 Keele St.
North York, Ontario
M3J 1P3

What mineral nutrients does the Arctic willow take out of the soil as it grows? This project is part of an investigation of the growth habits of northern plants.

1986

Location: Ellesmere and Melville islands

Lewkowicz, A.G.
Dept. of Geography
Erindale Campus
University of Toronto
Mississauga, Ontario
L5L 1C6

This researcher is interested in the melting of permanent snowbanks and the formation of ground ice slumps.

1986

Location: Iqaluit

Lindberg, D. R.
2231 est, rue St. Zotique
Montreal, Quebec
H2G 1J7

Do teachers use simpler English when they speak to Inuktitut-speaking students? Do they speak more or less to these students than they do to others? If differences exist, do they affect the rate at which Inuktitut-speaking students learn English? These are some of the questions being investigated.

1987

Location: North Baffin/Lancaster Sound

Lindfield, Gary
Senior Planner
National Parks Systems Branch
Environment Canada
2nd Floor, 10 Wellington St.
Hull, Quebec K1A 1G2

Accompanied by Eli Panipakoocho and Cornelius Nutaraq of Pond Inlet, a team of people traveled along the fiord coastlines south of Eclipse Sound, which has been proposed as the site of a National Park. Their task was to examine potential tourist "staging points" and develop a storyline for an interpretive program.

1987

Location: Clyde River

Luttermann, Annette
5373 Waverly
Montreal, Quebec
H2T 2X8

Annette Luttermann wants to know how people in Clyde River feel about medivac service. How do they deal with separation from sick relatives? Are there problems in the South with communication and adaptation? Are there difficulties when patients return home? The information could help hospital workers provide better service for Inuit.

1986, 1987

Location: south Lougheed Island; Byam Martin Channel

MacLean, Brian
Atlantic Geoscience Centre
Geological Survey of Canada
Bedford Institute of Oceanography
Box 1006
Dartmouth, N.S. B2Y 4A2

What can be learned by studying the sea bottom under the permanent sea ice in the Arctic Island channels? Brian MacLean and his coworkers will take advantage of open-water leads in this investigation.

1987

Location: Griffith Island and Cornwallis Island

Mallamo, Mark
Dept. of Geology
University of Western Ontario
London, Ontario

By mapping and collecting different types of rocks and fossils, Mark Mallamo hopes to learn what Cornwallis and Griffiths islands were like 450 million years ago.

1987

Location: Igloolik

Martini, I.P.
University of Guelph
Dept. of Land Resource Science
Guelph, Ontario
N1G 2W1

This is a geological project that will look at the form and composition of sandy and muddy coasts.

1987

Location: Pond Inlet

McAlpine, Ann
Pond Inlet, NWT
X0A 0S0

Ann McAlpine wants to know if Inuit students believe they have the power to make decisions for themselves of if they feel that forces outside them control their lives.

1986, 1987

Location: Igloolik

McDowell, Marilyn E.
Mt. St. Vincent University
Home Economics Dept.
166 Bedford Highway
Halifax, N.S.
B3M 2J6

Seal and walrus salami? Why not? This project is intended to find ways to produce these products for sale as a home-based industry.

1986

Location: Pangnirtung

McKenna-Neuman, Cheryl
Dept. of Geography
Queen's University
Kingston, Ontario
K7L 3N6

Cheryl Neuman is investigating the effect of winds on the landscape around Pangnirtung.

1987

Location: Iqaluit, Resolute, Cambridge, Inuvik, Yk

McMahon, Kevin
1007 25 Mutual St.
Toronto, Ontario
M5B 2A7

What do northerners, particularly community elders, think about Canadian Arctic sovereignty? Kevin McMahon conducted interviews with interested people in several communities.

1986

Location: Iqaluit area

Miller, Gifford H.
Institute of Arctic and Alpine Research
University of Colorado
Boulder, Colorado
80309-450

Another study of the last Ice Age: where were the glaciers? how did they move? how did the sea level change?

1987

Location: southern Baffin Island

Mode, William N.
Dept. of Geology
University of Wisconsin Oshkosh
Oshkosh, Wisconsin 54901

William Mode and his coworkers are studying the history of the landforms and vegetation around Madjuak Lake and on southeastern Meta Incognita Peninsula.

1986

Location: Hall Beach and Sarcpa Lake

Montgomerie, Robert D.
Dept. of Biology
Queen's University
Kingston, Ontario
K7L 3N6

People have often claimed that certain Arctic plants turn their flowers to follow the sun. Robert Montgomerie and his coworker have shown that this is not true for the two species they studied.

1986

Location: Prince of Wales Island

Morris, T. F.
Dept. of Geography
3-32 HM Tory Building
University of Alberta
Edmonton, Alberta
T6G 2H4

Tom Morris is attempting to uncover the glacial history of southern Prince of Wales Island over the last 120,000 years -- and to answer some interesting questions in the process.

1987

Location: Igloolik

Murat, Jean-Robert
Ecole Polytechnique
University of Montreal Campus
Box 6079, Station "A"
Montreal, Quebec H3C 3A7

How much weight can floating sea-ice sheets bear? Jean-Robert Murat and his coworkers intend to find out.

1986

Location: Pangnirtung, Iqaluit, Pond Inlet

Nilsen, Per
240 Wellington St.
Gravenhurst, Ontario
P0C 1G0

This is a study of a Visitor Activity Management Process that has been adopted by Parks Canada, to find out how well it will work in northern parks.

1987

Location: Devon Island

Pearce, Cheryl M.
Dept. of Geography
University of Western Ontario
London, Ontario
N6A 5C2

Exactly which plants lived in association with one another on beaches that emerged as the glaciers retreated? Dr. Pearce and Carrie Knill investigated this question.

1987

Location: Devon Island

Pearce, Cheryl M.
Dept. of Geography
University of Western Ontario
London, Ontario
N6A 5C2

Scientists learn about ancient plants by studying fossilized pollen. But do they come to the correct conclusions in this way? Dr. Pearce and William Quinton tested the method by comparing present-day pollen deposits with the distribution of present-day plants.

1986, 1987

Location: Ellesmere Island

Phillips, Stephen M.
Dept. of Earth and Planetary Sciences
Johns Hopkins University
Baltimore, MD 21218

Stephen Phillips is studying the history of the Earth's crust -- how it came to take its present form -- in the eastern Arctic.

1987

Location: Resolute Bay, Ft. Simpson and Mackenzie Delta

Prowse, Terry D.
Northern Hydrology Section
National Hydrology Research Institute
11 Innovation Boulevard
Saskatoon, Sask. S7N 3H5

This project included investigations of the river ice jams and breakup in the Fort Simpson region; the breakup in the Mackenzie River and Delta; water balance in Mackenzie Delta lakes; and snow-soil interactions near Resolute Bay.

1986, 1987

Location: Igloolik

Rasing, Wim C.E.
Sneewubalstraat 41
6543 TN Nijmegen
The Netherlands

In Igloolik, there are two legal systems in use today -- traditional Inuit law and the Canadian court system. Wim Rasing has spent many months in the community to learn about this.

1986

Location: Ellesmere Island

Retelle, Michael J.
Dept. of Geology and Geography
University of Massachusetts
at Amherst
Morrill Science Center
Amherst, MA 01003

By collecting core samples from the bottoms of lakes on Marvin Peninusula (Ellesmere Island), the researcher hopes to learn about the rate at which sedimentation occurs in the high Arctic.

1987

Location: Iqaluit, Yellowknife, Inuvik

Roadhouse-Bresnahan, Barbara
and Sandy Stewart
Box 1089
Richmond Ontario
K0A 2Z0

Why do so many northern women become politically active? The researchers interviewed women in three northern communities in their search for answers.

1986

Location: Igloolik

Robertson, Kelly
Faculty of Science
York University
4700 Keele St.
North York, Ontario
M3J 1P3

When deciduous plants drop their leaves, they lose nutrients. Arctic plants, which grow on infertile soils, may not be able to afford this loss. What special ways do plants have to cope with Arctic conditions?

1987

Location: Iqaluit

Robinson, Patricia
School of Environmental Health
Ryerson Polytechnical Institute
350 Victoria St.
Toronto, Ontario
M5B 2K3

How safe is country food? Does it contain bacteria that could make people sick? Meat obtained by hunting and fishing was tested fopr two kinds of bacteria that cause food-poisoning, Campylobacter and Salmonella.

1986

Location: Axel Heiberg Island

Russell, Dale A.
Paleobiology Division
National Museum of Natural Sciences
Ottawa, Ontario
K1A 0M8

Dale Russell went to Axel Heiberg Island to search for dinosaur remains, either bones or trackways. He came away empty-handed, but another researcher, Elliott Burden, found a fossil bone on Bylot Island in 1987.

1986, 1987

Location: Igloolik

Saladin d'Anglure, Bernard
Dept. of Anthropology
University of Laval
Quebec, P.Q.
G1K 7P7

Bernard Saladin d'Anglure is undertaking a long-term study of Inuit social history and culture. Among his special interests are adoption, identity and kinship among the Igloolik Inuit.

1986

Location: Ellesmere and Axel Heiberg Islands

Schwerdtner, W. M.
Dept. of Geology
University of Toronto
Toronto, Ontario
M5S 1A1

This project involved detailed geological mapping of the Hare Fiord region on Ellesmere Island and the Gibs region on Axel Heiberg Island.

1987

Location: Iqaluit, Pangnirtung, Lake Harbour

Sheath, Robert
Dept. of Botany
University of Rhode Island
Kingston, RI 02881 0812

Robert Sheath is studying the red freshwater algae (seaweed) of North America, including the kinds that live in the North.

1987

Location: Arctic Bay/Nanisivik area

Short, Susan K.
Institute of Arctic and Alpine Research
University of Colorado
Box 450
Boulder, Colorado 80309

Northwest Baffin Island, near Arctic Bay, is the first place in the eastern Arctic where rocks aged 10,000 to 40,000 years old have been found. This project was designed to obtain more information about the site.

1987

Location: Devon Island

Somr, Christopher
Dept. of Geography
University of Western Ontario
London, Ontario
N6A 5C2

Using the lake ice as a platform, Christopher Somr will take deep samples from lake bottoms on Devon Island. These will be compared with samples from the land. Together the information may contribute to our understanding of the far-distant past.

1987

Location: Igloolik

Stavinga, Janet M.
Dept. of Geography
McGill University
805 Sherbrooke St. W.
Montreal, Quebec
H3A 2K6

Are industrial pollutants, the kinds that cause acid rain, finding their way into Arctic tundra pools? Janet Stavinga studied water quality in ponds near Igloolik to find out.

1986

Location: Mackenzie Valley and Ellesmere Island to the P

Steger, Will
Steger International Polar Expedition
1708 Savoy
Ely, Minnesota 55721

Can the North Pole be reached solely by the power of men and sled dogs? Ask Will Steger.

1986

Location: Pond Inlet and other Baffin communities

Steltner, Hermann A.R.
Director
Arctic Research Establishment
Pond Inlet, NWT
X0A 0S0

The researcher wanted to collect data on the environment and climatology at various locations in the Baffin region.

1986

Location: Iqaluit, Cape Dorset and Pangnirtung

Stenton, Douglas R.
Dept. of Anthropology
University of Alberta
Edmonton, Alberta
T6G 2H4

Where and how did the Inuit live in south-central Baffin Island, in traditional times? Where did they spend the summers, the winters? Douglas Stenton addressed these questions by combining oral history and archaeology.

1987

Location: Cape Dorset, Iqaluit, Pangnirtung

Swiderski, Andy
Box 1049
Iqaluit, NWT
X0A 0H0

How will communities participate in economic development under a Nunavut government? Andy Swiderski is preparing a profile of the present economy in the communities and then talking to people about how they hope and expect development will proceed.

1986

Location: Byam Martin channel; Lougheed & Cameron Is.

Taylor, R.B.
Environmental Marine Geology
Atlantic Geoscience Centre
Geological Survey of Canada
Box 1006
Dartmouth, N.S. B2Y 4A2

These researchers are studying various kinds of coastline on the Arctic islands.

1986

Location: Eclipse Sound, near south Bylot Island

Thomas, Vernon G.
Associate Professor
Dept. of Zoology
College of Biological Science
University of Guelph
Guelph, Ontario N1G 2W1

How quickly does plankton (tiny plants) grow in Arctic waters? Vernon Thomas took samples near Bylot Island to find out.

1987

Location: Pangnirtung

Treude, Erhard
Geographisches Institut
Universitat Bamberg
D-8600 Bamberg
Am Kranen 12 Postfach 1549
Federal Republic of Germany

How much of the cash income of the community of Pangnirtung comes from wage employment? Erhard Treude visited the settlement to collect information.

1987

Location: Iqaluit

Valle, Madelyn Della
3514 Hutchison #1
Montreal, P.Q.
H2X 2H2

How is the Eastern Arctic Teacher Education Program structured? What approach does it take to curriculum development, language training and pedagogy? How does it compare to the Kativik Teacher Training Program in northern Quebec? These are the questions that interested Madelyn Valle.

1986

Location: Arctic islands, in the vicinity of Resolute Bay

Stephenson, Fred. E.
Regional Tidal Officer
Institute of Ocean Sciences
9860 West Saanich Road
Box 6000
Sidney, B.C. V8L 4B2

This is a study of ocean tides in the Arctic Islands

1987

Location: Pangnirtung

Stevenson, Marc G.
#3 5605 50 Ave.
Yellowknife, NWT

How did the Inuit of Cumberland Sound live during the whaling era? This is the question that Marc Stevenson, together a team of six Inuit researchers, hopes to answer.

1986, 1987

Location: around Resolute Bay and the Beaufort Sea

Stirling, Ian
Canadian Wildlife Service
5320 - 122 Street
Edmonton, Alberta
T6H 3S5

Ian Stirling and his colleagues studied polar bears and other marine animals in the Arctic islands. As part of the project, bears were shot with tranquilizers and marked with dye so they could be followed. The researchers also collected the reproductive organs of polar bears and seals killed by hunters.

1986

Location: northern Baffin Island

Stravers, Jay A.
Atlantic Geoscience Centre
Geological Survey of Canada
Bedford Institute of Oceanography
Box 1006
Dartmouth, N.S. B2Y 4A2

This is a study of the effects of glaciers on the landforms of northern Baffin Island.

1986, 1987

Location: Ellesmere Island

Svoboda, Josef
Professor of Botany
University of Toronto
Erindale Campus
Mississauga, Ontario
L5L 1C6

A long-time Arctic researcher, Josef Svoboda is investigating the vegetation of Sverdrup Pass on Ellesmere Island, including the growth and diversity of lichens and the impact of muskoxen on the plants.

1986

Location: Iqaluit, Igloolik and Resolute Bay

Vermette, Stephen
Dept. of Geography
McMaster University
Hamilton, Ontario
L8S 4K1

Stephen Vermette set up a collectors at a few locations to sample precipitation, so that it could be checked for pollution.

1986

Location: Iqaluit and Countess of Warwick Sound

Walters, James
Institute of Arctic and Alpine Research
University of Colorado
Campus Box 450
Boulder, Colorado 80309-0450

There are several different theories about the way ice flowed over the Hall Peninsula during the last Ice Age. James Walters went looking for information to resolve this dispute and to clarify other matters.

1986

Location: Cornwallis Island

Washburn, A. L.
Quaternary Research Centre
University of Washington
Seattle, Washington 98195

This is a study of glaciation and geology on Cornwallis Island. Dr. Wahsburn's 1987 research focussed on the effects of frost and permafrost on the landscape. He also investigated areas of Cornwallis Island that were pushed underwater by glacial ice and have now rebounded to the surface.

1987

Location: Iqaluit

Weber, Richard
Conexus Research
Ste 300, 55 Murray St.
Ottawa, Ontario
K1N 5M3

Together with researchers from the Soviet Academy of Sciences and the Geological Survey of Canada, Richard Weber tested equipment to be used in an expedition planned for March-June 1988. The ultimate objective is to gather information about the magnetic field across the Arctic Ocean where there is presently little data.

1986

Location: Igloolik area

Weider, Lawrence J.
Dept. of Biology
University of Windsor
Windsor, Ontario
N9B 3P4

Water fleas may not sound like a very promising subject for research, but Lawrence Weider is interested in them because they are an important link in the food chain, and because they reproduce asexually and live in populations that are genetically identical (clones).

1986, 1987

Location: Resolute Bay and area

Welch, Harold
Research Scientist
Freshwater Institute
501 University Crescent
Winnipeg, Manitoba
R3T 2N6

Harold Welch is studying the "food-chain" in Arctic waters. Sea weed and tiny animals and plants are the basic foods for sea animals. How fast do these sea-foods grow? He wants to know more about their productivity.

1986, 1987

Location: Iqaluit

Wolfe, Allan
Physics Dept. N812
New York City Technical College
300 Jay St.
Brooklyn, N.Y. 11201

Heady stuff! Hydromagnetic power; magnetospheric cusps; plasma waves produced in the solar wind; the pairing of Iqaluit and the South Pole -- it's all part of a study of the Earth's magnetic sphere.

1986

Location: Devon Island

Young, Robert Bonner
Dept. of Geography
Social Science Centre
University of Western Ontario
London, Ontario
N6A 5C2

By examining fossilized plant pollen and other material from the bottom of a number of lakes, Robert Young hopes to get an idea of what the land and plants of Devon Island were like in the far distant past.

1986

Location: Eclipse Sound and Lancaster Sound

Yurick, Doug B.
Senior Planner, Marine Studies
National Park Systems Division
Parks Canada
Ottawa, Ontario
K1A 1G2

The researchers visited certain areas around Lancaster Sound and north Baffin to make decisions about sites that should be included in a proposed National Park.

1986, 1987

Location: Ellesmere Island

Zinsmeister, William J.
Dept. of Geosciences
Purdue University
West Lafayette, Indiana
47907

What kinds of shellfish and other invertebrates lived around Ellesmere and Banks Island at various times in the past? This information obtained will be compared with what is known about the history of other northern seas.

Fort Smith Region

1986

Location: western Northwest Territories

Abele, Frances
Arctic Institute of North America
University of Calgary
2500 University Dr. NW
Calgary, Alberta
T2N 1N4

Was Transport Canada's Native Flight Service Station Operators Training Program a success? What were the reasons for its success -- or failure?

1986

Location: across the Northwest Territories

Abele, Frances
Arctic Institute of North America
University of Calgary
2500 University Dr. NW
Calgary, Alberta
T2N 1N4

What factors contribute to the success of a training program for native northerners? What factors lead to failure? Frances Abele, as Director of the Native Employment Training Study, is trying to draw some conclusions.

1986

Location: Fort Smith and Fort Resolution areas

Annas, Richard M.
Wetland Ecologist
Wildlife Management Division
Dept. of Renewable Resources
Government of the NWT
Yellowknife, NWT X1A 2L9

In order to make decisions about the use of marshes and other wetlands in the N.W.T., we need to know about the different kinds of wetland habitats and where they are. This project tested a mapping procedure for gathering this information.

1987

Location: across the NWT

Barreto, Luis
Department of Health
Government of the NWT
Box 1320
Yellowknife, NWT
X1Z 2L9

This project is designed to find out more about cancer among Inuit people. How common is the disease? What kinds of cancers occur most often? What age groups are affected? Are the patterns the same in Canada as in other circumpolar regions? This questions will be answered by reviewing medical records and statistics.

1986

Location: Tungsten

Chatterton, Brian D.E.
Dept. of Geology
University of Alberta
158 Earth Sciences Building
Edmonton, Alberta
T6G 2E3

This project was a study of the geology of the Mackenzie Mountains, by making measurements and collecting samples.

1987

Location: Yellowknife

Crnkovich, Mary
Canadian Arctic Resources Committee
Rm 11, 46 Elgin St.
Ottawa, Ontario
K1P 5K6

The Canadian Arctic Resources Committee is preparing a book about issues affecting women in the North and about the North itself, from a woman's perspective. Mary Crnkovich visited Yellowknife to gather information and meet potential contributors.

1987

Location: Yellowknife

Davis, Stuart
North/South Consulting Inc.
Aquatic Environmental Specialists
661 Pembina Highway
Winnipeg, Manitoba
R3M 2L5

Will Arctic Char grow in Jack Fish Lake, just outside Yellowknife? Could a fish-farm and hatchery be established there? Stuart David looked into these questions in the winter of 1987.

1986

Location: Tungsten Mine

Enarson, Donald A.
Doctors' Residence
Vancouver General Hospital
2775 Heather St.
Vancouver, B.C.
V5Z 3J5

Miners were screened for lung cancer, in the expectation that the disease could be treated more effectively if it were found early.

1987

Location: Yellowknife

Gibson, Robert B. and Robert F. Keith
Dept. of Environment and Resource Studies
University of Waterloo
Waterloo, Ontario N2L 3G1

With the cooperation of the agencies involved in the environmental review and assessment process, this study is attempting to find practical means of improving the effectiveness, efficiency and fairness of planning and project assessment in the Yukon and NWT.

1986

Location: Yellowknife and Fort Smith areas

Gruezo, William
Dept. of Botany
University of Alberta
B414 Biological Sciences Centre
Edmonton, Alberta
T6G 2E9

The various species of plants that we see around us have all come into being through evolution. William Gruezo wants to learn more about why certain species developed as they did.

1986

Location: Hay River and Pine Point

Hadley, Mark G.
Dept. of Geology
University of Alberta
Edmonton, Alberta
T6G 2E3

Mark Hadley studied the geology of the Hay River Formation, which crops out along the Hay River upstream from the town.

1987

Location: the Dogrib communities

Keillor, Elaine
Dept. of Music
Carleton University
Ottawa, Ontario
K1S 5B6

Elaine Keillor is an expert on traditional Dogrib music. This was her second trip to Dogrib communities to tape songs. She is particularly interested in story songs, dances, gambling songs and the music of children and women. She visited Fort Good Hope, Detah, Lac la Martre, Rae/Edzo and Rae Lakes.

1986, 1987

Location: Fort Norman area

Kershaw, G. P.
Dept. of Geography
University of Alberta
3-32 HM Tory Building
Edmonton, Alberta
T6G 2H4

Clearings are often made through the forest to permit travel. What is the most effective way of restoring these areas to their original state? Professor Kershaw and his students are experimenting with methods of reforestation.

1987

Location: across the NWT

Kinloch, David
Medical Services Branch
Health and Welfare Canada, and
Barreto, Luis
GNWT Department of Health
Yellowknife, NWT

There is a new medicine, called the Connaught vaccine, that keeps babies from getting meningitis. It has been used in other places, but never before in the NWT. Will it be safe and effective here too? The answer is likely "yes" but this study was designed to make sure.

1986

Location: across the N.W.T.

Lange, Lynda
Boreal Institute for Northern Studies
CW401 Bio Sciences Blg.
University of Alberta
Edmonton, Alberta T6G 2E9

Dr. Lange contacted twenty northern native organizations to learn their views on scientific research. She concluded that native organizations want greater involvement in and control of research that affects them. "Joint ventures and cooperative, or partnership, research is strongly recommended...."

1987

Location: across the NWT

Lavoie, Susan
Box 836
Yellowknife, NWT
X1A 2N6

The NWT Child Care Association conducted a survey to assess child-care needs in all NWT communities. Their goal was to prepare a report and action plan for the development of child-care services in the NWT.

1987

Location: Prairie Creek area, outside Nahanni Park

Lenz, Alfrd C.
Dept. of Geology
Faculty of Science
University of Western Ontario
London, Ontario
N6A 5B7

This is a geological project that will involve the collection of rocks and fossils. The objective is to study ancient forms of life.

1986,1987

Location: Yellowknife area

MacDonald, Glen M.
Dept. of Geography
McMaster University
1280 Main Street West
Hamilton, Ontario
L8S 4K1

Scientists predict that the Earth's climate will change because the atmosphere has been altered by industrial activity. How did plants respond to the last major climatic change, at the end of the Ice Age? This study will examine ancient plant pollens to find answers.

1986

Location: Yellowknife area

MacPherson, Glenda
School of Social Work
Carleton University
Ottawa, Ontario
K1S 5B6

This study was designed to find out what kinds of special services Dene elder needs and whether or not these needs are being met.

1987

Location: Courageous and Matthews Lake

Malick, James G.
Norecol Environ. Cons. Ltd.
Ste. 600 1281 W. Georgia St.
Vancouver, B.C.
V6E 3J7

This company was hired by Noranda Exploration Co. to report on fish populations and habitat in Courageous and Matthews Lake, together with streams and small lakes in the area.

1987

Location: Iqaluit, Resolute, Cambridge, Inuvik, Yk

McMahon, Kevin
1007 25 Mutual St.
Toronto, Ontario
M5B 2A7

What do northerners, particularly community elders, think about Canadian Arctic sovereignty? Kevin McMahon conducted interviews with interested people in several communities.

1987

Location: Fort Liard

Nahanni, Phoebe
3816 Grey Avenue
Montreal, Quebec
H4A 3N7

Phoebe Nahanni is interested in the way decisions are made by the hunters of the Lower Liard. Her project is entitled "The spacial dynamics and strategic significance of mobility for a non-industrial people: the case of the Lower Liard hunters and trappers."

1987

Location: Wood Buffalo National Park

Nelson, Gordon
Dept. of Geography
University of Waterloo
Waterloo, Ontario
N2L 3G1

The researchers paid a brief visit to the park to consult with local people about a proposed study on the relationship between park lands and native communities.

1987

Location: Wood Buffalo National Park and area

Osawa, Akira
College of Forest Resources
University of Washngton
AR-10
Seattle, Washington 98195

This is a study of jack pines and the way they "thin themselves" to achieve space amongst the trees.

1987

Location: Fort Franklin, Inuvik, Fort Rae, Yellowknife

Paulette, Lesley
ChildEarth Resources
Box 305
Fort Smith, NWT
X0E 0P0

The Native Women's Association of the NWT wants to obtain information on the quality of maternity care in the NWT. This will be used in identifying areas for further research and for promoting improved maternal and infant care in the Territories.

1987

Location: Back River area

Perkins, Robert F.
180 Chestnut St.
Cambridge Masschusetts 02139

By making notes and taking photographs, Robert Perkins and his coworkers studied flowering plants in the area of the Back River.

1986

Location: Fort Smith

Peterson, Gordon
Faculty of Environmental Design
University of Calgary
2500 University Drive NW
Calgary, Alberta
T2N 1N4

This project was designed to demonstrate that satellite pictures ("remote sensing") could be used to map and study caribou range and the regeneration of areas that had been burned.

1987

Location: Resolute Bay, Ft. Simpson, Mackenzie Delta

Prowse, Terry D.
Northern Hydrology Section
National Hydrology Research Institute
11 Innovation Boulevard
Saskatoon, Sask. S7N 3H5

This project included investigations of the river ice jams and breakup in the Fort Simpson region; the breakup in the Mackenzie River and Delta; water balance in Mackenzie Delta lakes; and snow-soil interactions near Resolute Bay.

1987

Location: Iqaluit, Yellowknife, Inuvik

Roadhouse-Bresnahan, Barbara and Sandy Stewart
Box 1089
Richmond Ontario
K0A 2Z0

Why do so many northern women become politically active? The researchers interviewed women in three northern communities in their search for answers.

1987

Location: Yellowknife and Rae-Edzo

Saxon, Leslie
Dept. of Linguistics
Memorial University of Newfoundland
St. John's, Newfoundland
A1B 3X9

What are the rules for asking questions in Dogrib? What are the correct ways of using pronouns? Dr. Saxon wants to answer these questions as part of a study of sentence structure in the Dogrib language.

1987

Location: Drumlin Lake

Shaw, John
Dept. of Geography
Queen's University
Kingston, Ontario
K7L 3N6

Drumlins and eskers are two typical northern landforms that were shaped by the glaciers. One theory suggests that drumlins were formed by catastrophic floods as the glaciers melted. John Shaw and his coworkers conducted studies that may help prove or disprove this idea.

1987

Location: boreal forest area

Simpson, Lloyd G.
Junior Specialist
University of California
Santa Barbara, California 93106

These researchers are trying to estimate the amount of living material in North American boreal forests. To do this, they first have to measure trees and shrubs in sample plots. Their findings may help scientists predict the effects of climate changes and other disturbances.

1986

Location: Fort Resolution and Fort Smith areas

Smith, Derald
Dept. of Geography
University of Calgary
Calgary, Alberta
T2N 1N4

When the Earth was under the glaciers, it was pushed down by the weight of the ice and is still coming back up . Derald Smith is studying the rebound rate and other characteristics of the Slave River Delta.

1987

Location: Salmita Mine

Smith, Geoffrey M.
Environmental Consulting &
Technical Services
1005 Shakespeare Avenue
North Vancouver, B.C.
V7K 1E7

Environmental Consulting and Technical Services was hired to check the health of fish and fish habitat around Salmita Mine. They were to test fish for heavy metals and to find out what kinds of fish were living in the streams and lakes around the mine.

1986

Location: Bullmoose Lake watershed

Spencer, Richard
Spencer Environmental
Management Services Ltd.
414 Boardwalk
10310-102 Avenue
Edmonton, Alberta T5J 2X6

Spencer Environmental Management Services Ltd. was on contract to Terra Mines to collect information around Bullmoose Lake for permit applications.

1986

Location: south Mackenzie area

Sweda, Tatsuo
Dept. of Forestry
Nagoya University
Chikusa, Nagoya
Japan 464

Dr. Sweda came from Japan to study the fire history of forests around the south coast of Great Slave Lake.

1987

Location: Yellowknife

Urschel, John
Dept. of Psychiatry
Faculty of Medicine
1E 1.01 Mackenzie Centre
University of Alberta
Edmonton, Alberta T6G 2B7

As part of a study of suicide among native people in Canada, Australia and New Zealand, John Urschel collected statistical information from the NWT.

1986, 1987

Location: Fort Chipewyan and Fort Smith

Wein, Eleanor E.
Associate Professor
Faculty of Education
University of New Brunswick
Frederickton, N.B.

Are people who eat a lot of country food better nourished than those who rely primarily on food from the store? Eleanor Wein and her coworkers have been collecting information to answer this question.

1986

Location: Yellowknife area

Wiggins, Glenn B.
Curator-in-Charge
Dept. of Entomology
Royal Ontario Museum
100 Queen's Park
Toronto, Ontario M5S 2C6

Glenn Wiggins is an insect expert. He collected specimens of caddisflies for the collections at the Royal Ontario Museum.

1987

Location: Snowdrift, Ft. Resolution, Ft. Smith, Detah, Yk

Zallen, Morris
ESL Environmental Sciences Limited
1035 Richards St.
Vancouver, B.C.
V6B 3E4

Would low-level military test flights harm migratory birds and mammals along the route? Would they affect hunting and community life? Environmental Services Limited was commissioned to report on these questions.

Inuvik Region

1986

Location: western Northwest Territories

Abele, Frances
Arctic Institute of North America
University of Calgary
2500 University Dr. NW
Calgary, Alberta
T2N 1N4

Was Transport Canada's Native Flight Service Station Operators Training Program a success? What were the reasons for its success -- or failure?

1986

Location: across the Northwest Territories

Abele, Frances
Arctic Institute of North America
University of Calgary
2500 University Dr. NW
Calgary, Alberta
T2N 1N4

What factors contribute to the success of a training program for native northerners? What factors lead to failure? Frances Abele, as Director of the Native Employment Training Study, is trying to draw some conclusions.

1987

Location: Inuvik area; Dempster Highway to McPherson

Bailey, Robert C.
Dept. of Zoology
University of Western Ontario
London, Ontario
N6A 5B7

Robert Bailey is studying soft-bodied animals that live on stream bottoms in the Mackenzie Delta area ("benthic invertebrates"). He wants to know what species are present, which are most numerous, and what living conditions each prefers.

1986

Location: Inuvik

Bailey, Robert C.
Dept. of Zoology
University of Western Ontario
London, Ontario
N6A 5B7

What happens to the animals in a lake when a float plane base goes in? This research suggests that at least one species, the Northern Floater Mussel, may be harmed. These mussels are food for musktrats.

1987

Location: across the NWT

Barreto, Luis
Department of Health
Government of the NWT
Box 1320
Yellowknife, NWT
X1Z 2L9

This project is designed to find out more about cancer among Inuit people. How common is the disease? What kinds of cancers occur most often? What age groups are affected? Are the patterns the same in Canada as in other circumpolar regions? This questions will be answered by reviewing medical records and statistics.

1987

Location: Richardson Mountains, Dempster Highway

Behan-Pelletier, Valier
Agriculture Canada
Biosystematics Research Centre
Ottawa, Ontario
K1A 0C6

This project involves studying and collecting insects and mites (tiny spiders) along the Dempster Highway, from the Yukon border to Inuvik, and in the northern Richardson Mountains.

1986, 1987

Location: Inuvik, Tuktoyaktuk; Eskimo Pt., Igloolik, Rankin

Boileau, Marc. G.
Dept. of Biology
University of Windsor
Windsor, Ontario
N9B 3P4

Marc Boileau is interested in the ecology and population genetics of freshwater invertebrates in the Arctic. His research took him to Inuvik and Tuk in 1986 and to Eskimo Point, Igloolik and Rankin in 1987.

1987

Location: Mackenzie Delta/Beaufort Sea

Burn, Christopher
Dept. of Geography
University of British Columbia
#217 1984 West Mall
Vancouver, B.C.
V6T 1W5

These researchers want to know more about the "frost heave regime" near shore at several sites near Inuvik.

1986, 1987

Location: Holman Island

Condon, Richard
Arctic Studies
Hubbard Hall
Bowdoin College
Brunswick, Maine

What is it like to be a teenager in Holman Island? How have recent social changes affected the way that young people think, act and feel? Richard Condon has written a book, called "Inuit Youth, Growth and Change in the Canadian Arctic," about what he has learned.

1986

Location: Inuvik to Richards Island

Cook, Frederick A.
Dept. of Geology and Geophysics
University of Calgary
Calgary, Alberta
T2N 1N4

Frederick Cook is studying the geological evolution of the Mackenzie Delta/Beaufort Sea area.

1986

Location: Herschel Island east to Tuk peninsula

Davis, Rolph A.
LGL Limited
22 Fisher St.
Box 280
King City, Ontario
L0G 1K0

The researchers want to know about whales in the Beaufort Sea, especially between Herschel Island and the Tuk Peninsula. Is this area especially important for the whales?

1987

Location: Beaufort area

Dickson, H. Loney
Wildlife Bologist
Canadian Wildlife Service
2nd floor 4999 98A Avenue
Edmonton, Alberta
T6B 2X3

A gas-gathering site may be constructed on Richards Island as part of the proposed Polar Gas Pipeline. The Canadian Wildlife Service wants to know more about shorebirds and other migratory birds in the area, so that their needs can be taken into account.

1986

Location: Richard Island; Kendal Island Bird sanctuary

Dickson, H. Loney
Wildlife Biologist
Canadian Wildlife Service
2nd floor 4999 98 A Avenue
Edmonton, Alberta
T6B 2X3

In order to learn about birds, you have to study what they eat. Loney Dickson looked at the distribution of certain kinds of plants in order to define the habitat preferences of various bird species.

1986

Location: Fort McPherson, Inuvik, Dempster Highway

Dillinger, Robert
Dept. of Biology
Memorial University of
Newfoundland
St. John's, Nfld.
A1B 3X9

Robert Dillinger is learning about the Arctic Cisco that live in the Peel, Arctic Red, Liard and Mackenzie Rivers. He also wants to know how the fish in the Peel River are related to those in the Mackenzie and Yukon rivers.

1987

Location: Baillie Island, Tuktoyaktuk

Farmer, D. and S.R. Waddell
Institute of Ocean Sciences
Box 6000
9860 W. Saanich Road
Sidney, B.C.
V8L 4B2

What does it sound like under the ice of the Arctic Ocean, just before summer break-up and at other season? What makes the noise and how do sounds carry down there? Dr.s Farmer and Waddell may have some answers by now.

1987

Location: Bear Rock Formation, Mackenzie Mountains

Ford, Derek C.
Dept. of Geography
McMaster University
1280 Main Street West
Hamilton, Ontario
L8S 4K1

These researchers are interested in the origin of the landforms in the Bear Rock Formation and the way in which water sinks into and through it, to emerge as springs.

1987

Location: Dempster Highway west of Inuvik

Garry, Clarke E.
Dept. of Biology
University of Wisconsin - River Falls
River Falls, Wisconsin 54022

What beetles occur in the open forest, boreal woodlands and tundra of the Yukon and NWT? Which kinds are likely to be found togeter? Where do different kinds like to live? Clarke Garry is trying to find out.

1986

Location: Great Bear Lake

Gaudet, James R.
332 Campbell Road
North Andover, Ma. 01845

James Gaudet went to Dease Arm of Great Bear Lake to gather wild flowers, lichen, mosses, mushrooms and other vegetation. He is studying the antifreeze systems of northern plants.

1987

Location: Inuvik

Godel, John
Dept. of Pediatrics
Charles Camsell Hospital
12815 - 125 Avenue
Edmonton, Alberta
T5M 3A4

Dr. Godel and a team of researchers will spend the next two years studying the nutrition of pregnant women in the Inuvik area. This project may yield new information about health problems experienced by northern-born infants.

1987

Location: Arctic Red River and Inuvik areas

Green, J.M.
Dept. of Biology
Memorial University of Nfld.
St. John's, Nfld.
A1B 3X9

How did fish disperse after the glaciers left the upper Mackenzie area? By studying the genetics of modern fish populations, these researchers hope to figure out what happened 10,000 years ago.

1986

Location: Inuvik

Hochstein, Barry A.
Arctic Institute of North America
University of Calgary
2500 University Drive NW
Calgary, Alberta
T2N 1N4

Barry Hochstein visited Inuvik to gather historical information for his study of COPE.

1987

Location: Caribou Hills and Inuvik

Howland, William G.
Northern Studies Program
Middlebury College
Middlebury, Vermont 05753

In the Caribou Hills, areas are sometimes stripped of vegetation by landslides. What plants grow in during the first ten years after such an event? Is there much erosion? What plants naturally occur in the Hills? These are some of the questions to be answered.

1986

Location: Smoking Hills of Cape Bathurst

Hutchinson, T.C.
Dept. of Botany
University of Toronto
Toronto, Ontario
M5S 1A1

The Smoking Hills of Cape Bathurst produce acidic fumes -- yet both land and water plants still manage to survive in the area. Professor Hutchinson and his colleagues are trying to find out how they do it.

1986, 1987

Location: Tuktoyaktuk, Coppermine, Bathurst Inlet

Kerr, Daniel E.
Dept. of Geology
University of Alberta
Edmonton, Alberta
T6G 2E3

The older a rock is, the deeper it is likely to be beneath the surface of the earth. One way in which rocks come to light is through the action of rivers. Daniel Kerr is studying ancient deposits where they have been exposed by rivers along the north coast of North America.

1987

Location: Dempster Highway

Kershaw, Linda J.
51163, Road 204
Sherwood Park, Alberta
T8G 1E5

Linda Kershaw, together with two other plant enthusiasts, is studying and photographing plants along the Dempster Highway. They plan to prepare a book about the plants and about the natural history of the route.

1987

Location: across the NWT

Kinloch, David
Medical Services Branch
Health and Welfare Canada, and
Barreto, Luis
GNWT Department of Health
Yellowknife, NWT

There is a new medicine, called the Connaught vaccine, that keeps babies from getting meningitis. It has been used in other places, but never before in the NWT. Will it be safe and effective here too? The answer is likely "yes" but this study was designed to make sure.

1986

Location: Inuvik and Invuialuit settlements

Koebberling, Uschi
Dept. of Communication
Simon Fraser University
Burnaby, B.C.
V5A 1S6

Are the new telecommunication technologies (TV, satellites, etc.) being used by native people to strengthen their communities? Uschi Koebberling interviewed community leaders to find out what was happening.

1987

Location: Richardson Mountains

Lane, Larry
Institute of Sedimentary and Petroleum Geology
Geological Survey of Canada
3303 33rd St NW
Calgary, Alberta T2L 2A7

How did the Richardson Mountains come to be? That is one of the questions that interests Dr. Lane and his colleagues. They use a variety of techniques to obtain information, including observation, collection of fossils, and measurements of magnetic and gravitational forces.

1986

Location: Fort Franklin

Lange, Lynda
Boreal Institute for Northern Studies
CW401 Bio Sciences Blg.
University of Alberta
Edmonton, Alberta T6G 2E9

Since 1945, much has changed for the Dene. Lynda Lange wants to understand how these changes have affected the status and work of Dene women. She has written a paper on this subject entitled "The Changing Situation of Dene Elders, and of Marriage, in the Context of Colonialism: the experience of Fort Franklin, 1940-1985."

1986

Location: across the NWT

Lange, Lynda
Boreal Institute for Northern Studies
CW401 Bio Sciences Blg.
University of Alberta
Edmonton, Alberta T6G 2E9

Dr. Lange contacted twenty northern native organizations to learn their views on scientific research. She concluded that native organizations want greater involvement in and control of research that affects them. "Joint ventures and cooperative, or partnership, research is strongly recommended...."

1987

Location: across the NWT

Lavoie, Susan
Box 836
Yellowknife, NWT
X1A 2N6

The NWT Child Care Association conducted a survey to assess child-care needs in all NWT communities. Their goal was to prepare a report and action plan for the development of child-care services in the NWT.

1986

Location: Tuktoyaktuk and Inuvik areas

Macdonald, R.W.
Institute of Ocean Sciences
Box 6000
9860 West Saanich Road
Sidney, B.C.
V8L 4B2

When hydrocarbons (oil-like substances) get into the Beaufort Sea from natural sources, what happens to them? The researchers hope to use their findings to help plan for accidental oil spills.

1987

Location: Big Fish River area

MacDonell, Don
Fisheries Biologist
North/South Consultants Inc.
661 Pembina Highway
Winnipeg, Manitoba
R3M 2L5

These biologists want to know how many Arctic Char and other kinds of fish live in the Big Fish River. They are going to use two methods of counting (a weir and a Schaefer Population Estimate) and compare their results.

1986, 1987

Location: Tuktoyaktuk and area

Mackay, J. R.
Dept. of Geography
University of British Columbia
Vancouver, B.C.
V6T 1W5

How do pingoes grow and decay? What are the characteristics of ice in permafrost? These are a few of the questions that Ross Mackay, a long-time northern researcher, is answering.

1987

Location: Liverpool Bay, Franklin Bay and area

MacNeil, Ian
Senior Planner
Terrestrial Studies
National Parks Systems Branch
Ottawa, Ontario
K1A 1G2

This is an air reconnaissance study of "three potential marine natural areas of Canadian significance."

1987

Location: Inuvik and Dempster highway area, Tungsten

Marvin, LuDean
B414 Bio Sciences Centre
University of Alberta
Edmonton, Alberta
T6G 2E9

Scientists don't agree on the "family relationships" of a group of plants called cinquefoils (Potentilla). LuDean Marvin hopes to clear up the confusion.

1986, 1987

Location: McDougall Pass, Richardson Mountains

Mattner, Jorg
Geologisches Institute der TU
Clausthal
Leibnitzstrasse 10
3392 Clausthal
West Germany

When mountains are formed, ancient layers of the Earth are sometimes exposed. Jorg Mattner is studying rocks in the Richardson Mountains that were formed about 160,000,000 years ago, about the time when birds first appeared on Earth.

1987

Location: Fort Norman area

McIntosh, Debbie
Department of Geography
University of Alberta
Edmonton, Alberta
T6G 2H4

Debbie McIntosh's project is to prepare a land-use plan for the Fort Norman block land transfer region, Drum (Wrigley) Lake, June Lake, Caribou Flats and Willow (Brackette) Lake. She planned to do her work in consultation with the hamlet council, as well as other interested groups and individuals.

1987

Location: Iqaluit, Resolute, Cambridge, Inuvik, Yk

McMahon, Kevin
1007 25 Mutual St.
Toronto, Ontario
M5B 2A7

What do northerners, particularly community elders, think about Canadian Arctic sovereignty? Kevin McMahon conducted interviews with interested people in several communities.

1986, 1987

Location: Beaufort Sea north of Tuktoyaktuk

Melling, Humfrey
Ocean Physics Division
Institute of Ocean Sciences
Box 6000
9860 West Saanich Road
Sidney, B.C. V8L 4B2

Humfrey Melling is studying the interaction between moving pack ice and the underlying ocean, in the hope of being able to predict ice movement several days in advance. With this knowledge it may be possible to prevent damage to drilling platforms.

1987

Location: Tuktoyaktuk, Beaufort Sea

Melling, Humfrey
Ocean Physics Division
Institute of Ocean Sciences
Box 6000
9869 W. Saanich Road
Sidney, B.C. V8L 4B2

Even winter ice cover is part of the natural cycle. In this study, the researchers are investigating "the regional ice budget" and the recycling of nutrients to the surface of the ocean.

1986

Location: South-east Beaufort Sea, Franklin Bay

Norton, Pamela
Environmental Sciences Limited
34-1035 Richards St.
Vancouver, B.C.
V6B 3E4

The distribution of bowhead whales in the Beaufort has been studied for seven years. The researchers want to understand which areas are important to the whales at different times of year and times of life.

1987

Location: Fort Franklin, Inuvik, Fort Rae, Yellowknife

Paulette, Lesley
ChildEarth Resources
Box 305
Fort Smith, NWT
X0E 0P0

The Native Women's Association of the NWT wants to obtain information on the quality of maternity care in the NWT. This will be used in identifying areas for further research and for promoting improved maternal and infant care in the Territories.

1986, 1987

Location: Mackenzie River Delta

Pearce, Cheryl M.
Department of Geography
University of Western Ontario
London, Ontario
N6A 5C2

Over the last several years, Cheryl Pearce has been studying the history of vegetation in the Mackenzie Delta. She is intestered in learning the conditions that permit different kinds of plants to grow.

1987

Location: Tuktoyaktuk, lower Eskimo Lakes area

Pollard, Wayne H.
Dept. of Geography
Memorial University of Nfld.
St. John's, Newfoundland
A1B 3X9

If you thought ice was "just" frozen water, you were wrong. This study involved measuring and describing the varying characteristics of different samples of ground ice.

1987

Location: Resolute Bay, Ft. Simpson, Mackenzie Delta

Prowse, Terry D.
Northern Hydrology Section
National Hydrology Research Institute
11 Innovation Boulevard
Saskatoon, Sask. S7N 3H5

This project included investigations of the river ice jams and breakup in the Fort Simpson region; the breakup in the Mackenzie River and Delta; water balance in Mackenzie Delta lakes; and snow-soil interactions near Resolute Bay.

1987

Location: Fort Good Hope

Rees, William
School of Community and Regional Planning
University of British Columbia
6333 Memorial Rd
Vancouver, B.C. V6T 1W5

This project was designed to document and evaluate Fort Good Hope's self-help housing project. The researchers hope to find out what people think about the program, learn how it might be improved and suggest ways in which other communities might learn from Fort Good Hope's experience.

1987

Location: Inuvik, Tuktoyaktuk

Ring, Richard A.
Dept of Biology
University of Victoria
Box 1700
Victoria, B.C.
V8W 2Y2

Supercooled bugs -- this project should tell us more about how insects survive the long, intense Arctic cold.

1986, 1987

Location: Tuktoyaktuk peninsula

Ritchie, J.C.
University of Toronto
Scarborough Campus
1265 Military Trail
Scarborough, Ontario
M1C 1A4

This research aims to unfold the sequence of vegetation that re-colonized the Mackenzie Delta region since the glaciers left. For example, why has the arctic tree-line been changing position?

1987

Location: Iqaluit, Yellowknife, Inuvik

Roadhouse-Bresnahan, Barbara and Sandy Stewart
Box 1089
Richmond Ontario
K0A 2Z0

Why do so many northern women become politically active? The researchers interviewed women in three northern communities in their search for answers.

1986

Location: Richardson Mountains

Schunke, Ekkehard
Geographisches Institut
Universitat Gottingen
Goldschmidstrasse 5
D-3400 Gottingen
Federal Republic of Germany

This study looked at aspects of the geology of the Richardson Mountains.

1987

Location: Norman Wells\and area

Scriven, David
59 Roncevalles Avenue, Apt. 8
Toronto, Ontario
M6R 2K5

As part of a larger study, undertaken on behalf of the Canadian Environmental Assessment Research Council, David Scriven conducted several telephone interviews about the environmental assessment process for the Norman Wells pipeline.

1986, 1987

Location: Inuvik

Sherstone, David A.
A/Director
Scientific Services
Box 1500
Yellowknife, NWT
X1A 2R3

How does ice grow and decay in Arctic rivers? David Sherstone has been studying this process for several years.

1987

Location: boreal forest area

Simpson, Lloyd G.
Junior Specialist
University of California
Santa Barbara, California 93106

These researchers are trying to estimate the amount of living material in North American boreal forests. To do this, they first have to measure trees and shrubs in sample plots. Their findings may help scientists predict the effects of climate changes and other disturbances.

1987

Location: Tuktoyaktuk

Sloggett, Joel
1350 Armstrong Drive
Peterborough, Ontario
K9J 6G3

Joel Sloggett is assessing the importance of fur harvesting in the economy of Tuktoyaktuk. He wants to know if it became less important to the community over the ten years from 1977 to 1987.

1986

Location: Big Fish River and Rat River

Sparling, Paul
Arctic Biological Consultants
Box 84, 1 McWilliams Pl.
Pinawa, Manitoba
R0E 1L0

This company was asked to check the Arctic Char in the Big Fish and Rat rivers, to see if the population was in good shape.

1986, 1987

Location: around Resolute Bay and the Beaufort Sea

Stirling, Ian
Canadian Wildlife Service
5320 - 122 Street
Edmonton, Alberta
T6H 3S5

Ian Stirling and his colleagues studied polar bears and other marine animals in the Arctic islands. As part of the project, bears were shot with tranquilizers and marked with dye so they could be followed. The researchers also collected the reproductive organs of polar bears and seals killed by hunters.

1986

Location: Aklavik

Therrien, Beverly K.
Dept. of Political Science
University of Alberta
Edmonton, Alberta
T6G 2H4

Do resource management boards really have the authority to manage the resource in their care? How much influence do the native members have? The study focused on the Porcupine Caribou Management Board.

1987

Location: Inuvik area

Tonn, W. M.
Dept of Zoology
University of Alberta
Edmonton, Alberta
T6G 2E9

W. M. Tonn went fishing. He sampled fish from a number of small lakes around Inuvik to begin gathering information on arctic fish ecology.

1986

Location: Inuvik and the Inuvialuit settlements

Waldbrook, Lori
Dept. of Geography
Social Science Centre
University of Western Ontario
London, Ontario
N6A 5C2

Lori Waldbrook is looking into the role of development corporations in the administration of the Inuvialuit land claim settlement.

1987

Location: Inuvik, Tununuk Pt., Caribou Hills, Tuktoyaktuk

Wein, Ross W.
Dept. of Land Resource Science
University of Guelph
Guelph, Ontario
N1G 2W1

What happens when the land is disturbed by oil spills, fire and vehicle traffic? Does it eventually return to normal? This study took a new look at disturbance experiments in the Mackenzie Delta.

Keewatin Region

1986

Location: across the NWT

Abele, Frances
Arctic Institute of North America
University of Calgary
2500 University Dr. NW
Calgary, Alberta
T2N 1N4

What factors contribute to the success of a training program for native northerners? What factors lead to failure? Frances Abele, as Director of the Native Employment Training Study, is trying to draw some conclusions.

1987

Location: across the NWT

Barreto, Luis
Department of Health
Government of the NWT
Box 1320
Yellowknife, NWT
X1Z 2L9

This project is designed to find out more about cancer among Inuit people. How common is the disease? What kinds of cancers occur most often? What age groups are affected? Are the patterns the same in Canada as in other circumpolar regions? This questions will be answered by reviewing medical records and statistics.

1986, 1987

Location: Inuvik, Tuktoyaktuk; Eskimo Pt., Igloolik, Rankin

Boileau, Marc. G.
Dept. of Biology
University of Windsor
Windsor, Ontario
N9B 3P4

Marc Boileau is interested in the ecology and population genetics of freshwater invertebrates in the Arctic. His research took him to Inuvik and Tuk in 1986 and to Eskimo Point, Igloolik and Rankin in 1987.

1987

Location: communities in the Keewatin

Cummings, Gregory
General Delivery
Baker Lake, NWT
X0C 0A0

Do people who go to court under the Young Offenders Act understand the proceedings well enough to participate fully in what is going on? Gregory Cummings is interviewing young offenders on probation to find out how well they think the Act is working.

1987

Location: communities in the Baffin and Keewatin

Cummins, W. Raymond
Dept. of Botany
Erindale Campus
University of Toronto
Mississauga, Ontario
L5L 1C6

Raymond Cummins and his coworkers visited Eskimo Point, Rankin Inlet, Chesterfield Inlet, Repulse Bay, Pond Inlet and Resolute Bay to collect plants and seeds. They are especially interested in the respiration and growth rates of Arctic plants.

1986, 1987

Location: Igloolik, Eskimo Point, Rankin Inlet

Dewar, Patricia
719 5th Avenue North
Saskatoon, Saskatchewan
S7K 2R6

Patricia Dewar visited Inuit communities to learn how to do drum dancing and to talk to people about the experience of dancing. She hopes to help make a video that will show old and new ways of performing.

1987

Location: Coral Harbour, Southampton Island

Dewing, Keith
Dept. of Geology
Laurentian University
Sudbury, Ontario
P3E 2C6

Keith Dewing wants to figure out the ages of certain layers of rock that crop out on Southampton Island.

1987

Location: Sifton Lake, Hansbury River, Beverley Lake

Dunn, James M.
Dept. of Geography
University of Colorado
Boulder, Colorado 80309-0260

This classroom has no doors. A dozen students from the University of Colorado studied Arctic field research techniques in the Thelon Game Sanctuary, under the direction of their instructor.

1987

Location: Yellowknife, Rankin, Eskimo Pt, Iqaluit, Igloolik

Harnum, Betty
Culture & Communications
Government of the NWT
Box 1320
Yellowknife, NWT
X1A 2L9

Betty Harnum is studying the way Inuktitut is changing in the Eastern Arctic and Keewatin. She is looking into the development of new words, as well as changes in sounds and sentence structures.

1986

Location: Eskimo Point and McConnell River

Jefferies, R. L.
Dept. of Botany
University of Toronto
Toronto, Ontario
M5S 1A1

Dr. Jefferies looked at the destruction of plant communities as the result of foraging by Lesser Snow Geese, and other causes.

1987

Location: across the NWT

Kinloch, David
Medical Services Branch
Health and Welfare Canada, and
Barreto, Luis
GNWT Department of Health
Yellowknife, NWT

There is a new medicine, called the Connaught vaccine, that keeps babies from getting meningitis. It has been used in other places, but never before in the NWT. Will it be safe and effective here too? The answer is likely "yes" but this study was designed to make sure.

1987

Location: Rankin Inlet

Konarek, Joseph
Dept. of Geography
Laurentian University
Site 36, Box 12,R.R. 2
Sudbury, Ontario
P3E 4M9

Joseph Konarek is interested in the "viability" of communities in the Keewatin region. What is their history, their natural resources? Do they have economic strengths and good leadership? Are these community likely to cope well with whatever the future brings? In addition to visiting the Keewatin, the researcher also did archival research in

1986

Location: across the NWT

Lange, Lynda
Boreal Institute for Northern Studies
CW401 Bio Sciences Blg.
University of Alberta
Edmonton, Alberta T6G 2E9

Dr. Lange contacted twenty northern native organizations to learn their views on scientific research. She concluded that native organizations want greater involvement in and control of research that affects them. "Joint ventures and cooperative, or partnership, research is strongly recommended...."

1987

Location: across the NWT

Lavoie, Susan
Box 836
Yellowknife, NWT
X1A 2N6

The NWT Child Care Association conducted a survey to assess child-care needs in all NWT communities. Their goal was to prepare a report and action plan for the development of child-care services in the NWT.

1987

Location: Eskimo Point

McBride, Sherri
Dept. of Clothing and Textiles
Faculty of Human Ecology
University of Manitoba
Winnipeg, Manitoba
R3T 2N2

The people of Eskimo Point make a distinctive kind of cloth hood. Exactly what are they like? How are they made? Why are they designed in this way? Sherri McBride went to find out.

1986, 1987

Location: Keewatin region

O'Neil, John
National Health Research Scholar
University of Manitoba
Faculty of Medicine
750 Bannatyne Avenue
Winnipeg Manitoba R3E 1Y9

Women in the Keewatin have to fly out to have their babies. How does this affect them and their families? This study is being undertaken by a group of researchers, including representatives from the Inuit Women's Association and the Keewatin Inuit Association.

1987

Location: Back River area

Perkins, Robert F.
180 Chestnut St.
Cambridge Masschusetts 02139

By making notes and taking photographs, Robert Perkins and his coworkers studied flowering plants in the area of the Back River.

1986

Location: Eskimo Point and Rankin Inlet

Sadock, Jerrold M.
Dept. of Linguistics
University of Chicago
Classics Building
1010 East 59th St.
Chicago, Illinois 60637

In Inuktitut, one long word can do the work of seven in English. Jerrold Sadock has been comparing the method of word formation ("noun incorporation") in two Canadian Inuit dialects and West Greenlandic.

1986, 1987

Location: Eskimo Point

Walker, Marilyn
54 Millbrook Crescent
Toronto, Ontario
M4K 1H4

Marilyn Walker is studying the "food ways" of the Inuit people of Eskimo Point, both what is eaten and the attitudes and customs associated with food. She is convinced that people choose and treat food in such a way that their eating habits reinforce their culture -- "societal habits, values, and beliefs."

Kitikmeot Region

1986

Location: across the NWT

Abele, Frances
Arctic Institute of North America
University of Calgary
2500 University Dr. NW
Calgary, Alberta
T2N 1N4

What factors contribute to the success of a training program for native northerners? What factors lead to failure? Frances Abele, as Director of the Native Employment Training Study, is trying to draw some conclusions.

1987

Location: across the NWT

Barreto, Luis
Department of Health
Government of the NWT
Box 1320
Yellowknife, NWT
X1Z 2L9

This project is designed to find out more about cancer among Inuit people. How common is the disease? What kinds of cancers occur most often? What age groups are affected? Are the patterns the same in Canada as in other circumpolar regions? This questions will be answered by reviewing medical records and statistics.

1987

Location: Cambridge Bay

Dyke, Larry
Dept. of Geological Sciences
Queen's University
Kingston, Ontario
K7L 3N6

Where will you find permafrost in a tidal zone? To learn more about this, Larry Dyke put two temperature-sensitive cables into a beach near Cambridge Bay.

1987

Location: Stanbridge Lake and Coppermine River

Francis, Don
Dept. of Geological Sciences
McGill University
3450 University Street
Montreal, Quebec
H3A 2A7

When liquid rock from the interior of the Earth comes to the surface, it chills and hardens. The results of such an event can be seen in the Muskox Layered Intrusion along the Coppermine River. Don Francis thinks the formation may also be rich in platinum.

1987

Location: Cambridge Bay

Hill, Steven G.
57C Apple Lane West
Winnipeg, Manitoba
R2Y 2G9

The Centre on Aging at the University of Manitoba commissioned this study, as part of a national program of research. They wanted to find out if attitudes toward the elderly was changing among Inuit families. Do elders still receive extensive family care?

1986, 1987

Location: Tuktoyaktuk, Coppermine, Bathurst Inlet

Kerr, Daniel E.
Dept. of Geology
University of Alberta
Edmonton, Alberta
T6G 2E3

The older a rock is, the deeper it is likely to be beneath the surface of the earth. One way in which rocks come to light is through the action of rivers. Daniel Kerr is studying ancient deposits where they have been exposed by rivers along the north coast of North America.

1987

Location: across the NWT

Kinloch, David
Medical Services Branch
Health and Welfare Canada, and
Barreto, Luis
GNWT Department of Health
Yellowknife, NWT

There is a new medicine, called the Connaught vaccine, that keeps babies from getting meningitis. It has been used in other places, but never before in the NWT. Will it be safe and effective here too? The answer is likely "yes" but this study was designed to make sure.

1986

Location: across the NWT

Lange, Lynda
Boreal Institute for Northern Studies
CW401 Bio Sciences Blg.
University of Alberta
Edmonton, Alberta T6G 2E9

Dr. Lange contacted twenty northern native organizations to learn their views on scientific research. She concluded that native organizations want greater involvement in and control of research that affects them. "Joint ventures and cooperative, or partnership, research is strongly recommended...."

1987

Location: across the NWT

Lavoie, Susan
Box 836
Yellowknife, NWT
X1A 2N6

The NWT Child Care Association conducted a survey to assess child-care needs in all NWT communities. Their goal was to prepare a report and action plan for the development of child-care services in the NWT.

1987

Location: Viscount Melville Sound Marine Region

MacNeil, Ian
Senior Planner
Terrestrial Studies
National Parks Systems Branch
Ottawa, Ontario
K1A 1G2

This is an air reconnaissance study of "three potential marine natural areas of Canadian significance." The itinerary included Dundas Peninsula, Melville Island, Prince of Wales Island and the Boothia Peninsula.

1987

Location: Iqaluit, Resolute, Cambridge, Inuvik, Yk

McMahon, Kevin
1007 25 Mutual St.
Toronto, Ontario
M5B 2A7

What do northerners, particularly community elders, think about Canadian Arctic sovereignty? Kevin McMahon conducted interviews with interested people in several communities.

1987

Location: Back River area

Perkins, Robert F.
180 Chestnut St.
Cambridge Masschusetts 02139

By making notes and taking photographs, Robert Perkins and his coworkers studied flowering plants in the area of the Back River.

1987

Location: Minto Lake, Kuujjua River area

Rainbird, Robert H.
and G.M. Young
Dept. of Geology
University of Western Ontario
London, Ontario
N6A 5B6

By studying the layered structure of the rocks, the researchers hoped to learn more about the conditions under which they were formed, by ancient seas, tides, storms and wind-blown sand.

1987

Location: Cambridge Bay

Sharpe, David R.
Geological Survey of Canada
601 Booth St.
Ottawa, Ontario
K1A 0E8

By studying the land forms of southern Victoria Island, David Sharpe hopes to learn more about the movements of glaciers during the last Ice Age. Fossil shells and wood will be collected and carbon-dated so he can tell when various layers of material were deposited.

1986

Location: area south of Dolphin and Union straits

St.-Onge, Denis A.
Quaternary Geology Subdivision
Geological Survey of Canada
601 Booth St.
Ottawa, Ontario
K1A 0E8

In this study, the researcher collected small samples of rocks to determine their nature, origin and age.

1987

Location: Prince Albert Sound, Victoria Island

Stewart, D. Bruce
Arctic Biological Consultants
Box 84, 1 McWilliam Place
Pinawa, Manitoba
R0E 1L0

Could a commercial char fishery be established on the Kuuk, Nalaogyuk and Kagluk Rivers? Bruce Stewart used weirs and nets to count the fish and analyzed samples for pesticides and heavy metals. This research was commissioned by the Department of Fisheries and Oceans.

1986, 1987

Location: Cambridge Bay, Gjoa Haven

Thannheiser, Dietbert
Institut fur Geographie
Universitat Hamburg
Bundesstrasse 55
2000 Hamburg 13
Federal Republic of Germany

Dietbert Thannheiser is visiting representative areas of the Arctic to study the plant communities. One of his objectives is to offer an objective definition of the "low," "high," and "middle" Arctic zones. In 1987 he concentrated his research around Bathurst Inlet and Coppermine.

1986

Location: Pelly Bay and Simpson Peninsula

Webster, Andrew
391 Park Hill Road W.
Peterborough, Ontario
K9H 3J2

This is a study of Earth history. The researcher wants to know how and when the glaciers of the last Ice Age retreated from the area around Pelly Bay.

1986

Location: Victoria Island

Young, G.M.
Dept. of Geology
University of Western Ontario
London, Ontario
N6A 5B7

This was a study of the geology of the Kuujjua River on Victoria Island.

Research Reports

The following research reports are on file with the Science Institute of the Northwest Territories. The easiest way to use this list is, first, to locate research projects that interest you and, then, to check here for the researcher's name.

We will be happy to share these papers with anyone who requires them.

Abele, Frances, and Ross, James. 1986. *A study of Transport Canada (western region) pilot project: flight service specialist training for native people. Phase two report: the experience of the first cohort.,* Arctic Institute of North America, University of Calgary, 48 pages.

Adams, W. Peter, 1987, "Axel Heiberg 1986 -- field report," 1- page.

Aiken, S. G. 1987. "Research report for NWT Science Research Licence Number 6050," 2 pages, plus "Records of the plant specimens collected on Baffin Island in 1986 by Dr. S.G. Aiken and party," 65 pages.

Annas, Richard. 1987. "A preliminary overview of a wetlands classification system for the Northwest Territories," Habitat Management, Department of Renewable Resources, GNWT, 6 pages.

Bailey, Robert C. 1987. "The northern floater mussel in Shell Lake, NWT," 5 pages.

Basinger, James. F. 1987. "Our 'tropical' Arctic," *Canadian Geographic* January, 1987, pages 28-37.

Beattie, Owen. 1987. "Report on the 1986 field season at Beechey Island, NWT (investigating the Third Franklin Expedition)," illustrated 25-page report.

Beyens, L. "Note on the research done on the Truelove and Sparbo Hardy lowlands, July 1987," 2 pages.

Boileau, Marc G. 1987. "Report to the Science Advisor on the scientific work done and information obtained by Marc G. Boileau," 1 page.

Chatterton, Brian D.E. 1987. "Ordovician and Silurian stratigraphy in the Mackenzie Mountains," 1- page summary

Condon, Richard G. 1987. *Inuit Youth: growth and change in the Canadian Arctic.* London: Rutgers University Press, 252 pages.

Cook, Fredercik A., and others. 1987. "Structure of the southwest margin of the Beaufort-Mackenzie basin, arctic Canada, from crustal seismic reflection data," 20- page unpublished report.

Cosens, Suan E. 1987. "Whales and icebreakers in the eastern Arctic: a summary of our 1986 field season," 9 pages.

Cummings, Gregory. no date. "An investigation into the translation of the philosophy of the Young Offenders Act (Canada) into practice in the Keewatin Region of the Northwest Territories," unpublished Master's thesis, Carleton University, 55 pages.

Dewar, Patricia. 1987. "Preliminary research report (Igloolik: investigating performance drum dance)," 4 pages.

Dickson, H. Loney, and Smith Alan R. 1987. "Shorebirds of the outer Mackenzie Delta/Richards Island area 1985-1986, progress report," draft manuscript, 185 pages.

Dillinger, R.E., Jr.; and others. no date. "Genetic relationship of longnose suckers (*Catostomus catostomus*) in the Yukon and Mackenzie River drainages," 1- page abstract.

--. no date. "A taxonomic and life history strategy analysis of *Coregonus autumnalis* Pallas and *Coregonus laurettae* Bean," 4 pages.

--. no date. Untitled report on 1986 field season. 4 pages.

Embree, V.; Enarson, D.A.; and others. 1986. "Lung cancer screening in mining and related industries in B.C.," 4-page paper presented to a symposium of the Industrial Hygiene Association, Vancouver, B.C.

Enarson, D.A. 1986. "Progress report: program for the early detection of lung cancer," 20-page unpublished report. *See also* Embree, above.

Evans, David J.A. 1987. "Preliminary report to the Science Institute of the Northwest Territories," 2 pages.

Environmental Sciences Limited. no date. "BEMP project overview No. 1," 3 pages.

Forbes, D.L., and others. 1986. "Coastal studies in the western Arctic archipelago (Melville, Mackenzie King, Lougheed and nearby islands)," Cruise report 86302, Bedford Institute of Oceanography, Geological Survey of Canada, 29 pages.

Gruezo, William. 1987. "Progress report, 1986," 8 pages.

Harnum, Betty. 1987, "Report on Northern Scientific Training Program Grant, re: Betty Harnum, Summer 1987," 4 pages.

Hochstein, Barry A. no date. "Buying cultural permanence: COPE and the federal government of Canada," 20-page report.

Hutchinson, Tom, and others. 1987. "Biological research at the Smoking Hills area of Cape Bathurst, NWT," 2 pages.

Jacobs, John D. 1987. "An approach to assessing the impacts of climate change in the eastern Arctic," In 2-page abstract in Programs, Abstracts and News, Canadian Committee on Climatic Fluctuations and Man annual meeting, Ottawa, January 29-30.

--. 1986. "Climate change and the indigenous peoples of the eastern Canadian Arctic," *Proceedings: Impact of Climatic Change on the Canadian Arctic*, Orillia, Ontario, March 3-5, 1986, Environment Canada, Atmospheric Environment Service, pp. 138-44.

Jacobs, John D., and Chandler, Lorraine D. 1987. "Baffin Island's large lakes and their mesoscale climatic environments," abstract in the program of the Canadian Association of Geographers 1987 annual meeting. *See also* Maus, Lin A. and Mode, William N., below.

Jefferies, R. L., and others. 1987. "The effects of foraging by Lesser Snow Geese on the vegetation in the vincity of Eskimo Point, NWT," 10 pages; also a 2-page non-technical summary.

Jeffries, Martin O. 1987. "Arctic ice shelf and ice island studies, 1986," 5-page non-technical report.

Kaufert, Patricia A, and others. 1987. "Obstetric care in the Keewatin: changes in the place of birth 1971 - 1985," paper prepared for presentation at the 7th International Congress on Circumpolar Health, Umea Sweden, June 8-12, 1987, 13 pages.

Kerr, Daniel E. 1987. "Late quaternary glaciomarine and marine stratigraphy, mainland coast, Northwest Territories," 1 page; alsoa brief non-technical report.

Koebberling, Uschi. 1986. *Communication and culture in the western arctic: a case study on the growth of Inuvialuit-controlled broadcasting*, 91 pages.

Konarek, Joseph, "A look at Lake Harbour, Northwest, Territories, *Laurentian University Review* 28: 147-50.

Kukal, Olga, and Kevan, Peter G. 1987. "The influence of parasitism on the life history of a high arctic insect, *Gynaephora groenlandica* (Wocke) (Lepidoptera: Lymnatriidae) *Canadian Journal of Zoology* 65: 156-63.; also "NMR probes freeze tolerance in arctic insect," 1- page article.

Lange, Lynda. "A report from the native groups of the Northwest Territories on their situation with research: a series of individual reports based on direct consultation with Native groups of the NWT," Boreal Institute for Northern Studies, University of Alberta, 72 pages.

--. "The changing situation of Dene elders, and of marriage, in the context of colonialism: the experience of Fort Franklin 1945-1985," unpublished 23-page paper.

Lemmen, Donald S. 1987. "Glacial history of Marvin Peninsula, northernmost Ellesmere Island, NWT," 4 pages.

Lewis, Martin. *See* Roberton, Kelly, and Ogilvie, Carey.

Lewkowicz, A.G. 1987. "Scientific report NWT Science Research License No. 6067," and "Popular report NWT Science Research License No. 6067," 3 pages and 2 pages respectively.

Lindberg, D. R. 1986. "Foreigner talk in the classroom," 13-pages.

Lindfield, Gary, 1987. "Boundary options for a National Park area of interest, North Baffin Island," Environment Canada, Parks, 33 pages.

Macdonald, G.M., and Ritchie, J.C. 1986. "Modern pollen spectra from the western interior of Canada and the interpretation of late Quaternary vegetation development," *New Phytol.* 103: 245-268.

Macdonald, R.W. 1986. "NOGAP Project B.6, Beaufort Sea oceanography," project description, 15 pages.

Macdonald, R.W., and Wong, C.S. 1987. "The distribution of nutrients in the southeastern Beaufort Sea: implications for water circulation and primary production," *Journal of Geophysical Research* 92: 2939-52.

Mackay, J. Ross. 1986. "The first 7 years (1978 - 1985) of ice wedge growth, Illisarvik experimental drained lake site, western Arctic coast," *Canadian Journal of Earth Sciences* 23 (11): 1782-95.

Maus, Lin A., and others. no date. "Variation in low Arctic plant community structure with respect to environmental factors," 3 pages.

McDowell, Marilyn E. "Appropriate technology for food product development: seal and walrus products for manufacture and marketing by Inuit as small scale enterprise," 4-page report.

McKenna-Neuman, Cheryl, and Gilbert, Robert . 1987. "Aeolian processes and landforms in glaciofluvial environments of southeastern Baffin Island, NWT, Canada," In *Aeolian Geomorphology,* ed. W. G. Nickling, pp. 213-35.

Mode, William N., and Jacobs, John D. 1987. "Vegetation and pollen rain, southern Nettilling Lake, Baffin Island," 1-page abstract in *Abstracts of the 16th Arctic Workshop*, Research on the Roof of the World, Boreal Institute for Northern Studies, Edmonton, Alberta, April 30-May 2.

Montgomerie, Robert D. no date. "Heliotropism in High Arctic *Dryas* and *Papaver* flowers," 2 pages.

Morris, T. F. 1987. Untitled report on 1986 field research, 4 pages.

--. 1987. "The sand flats of the Browne Bay area, NWT, Canada," 1-page abstract in the program for the annual meeting of the Canadian Association of Geographers,

--. 1987. "Surficial geology map of Pandora and southern Prince of Wales Islands, NWT Canada," In *Abstracts of the 16th arctic workshop; research on the roof of the world,* Boreal Institute for Northern Studies, pages 106-8. *See also* Taylor, C., and Morris, T. F., below.

--. 1986. "Late Quaternary history and geomorphology of central and southern Prince of Wales Island, NWT, Canada: project methodology," abstract of a paper presented to the annual meeting of the Canadian Association of Geographers, June 18-24, 1986.

--. "The dispersal trains of southeasterns Prince of Wales Island, NWT, Canada: a contribution to the north-central Laurentide ice sheet," 2-page abstract of a paper presented at the 15th annual Arctic Workshop, April 24-26, University of Colorado, Boulder.

Nilson, Per William. 1987. "Visitor activity management in northern National Parks: an exploratory study," unpublished M.A. thesis, University of Waterloo, 316 pages.

Norton, Patrcia. *See* Environmental Sciences Limited.

Ogilvie, Carey. 1987 "Progress report 1987," 6 pages.

O'Neil, John D. 1986. "Self-determination, medical ideology and health services in Inuit communities," revised version of a paper presented at *Knowing the North: integrating tradition, technology and science,* Boreal Institute, University of Alberta, Nov. 20-22, 1986, 44 pages.

O'Neil, John D., and others. 1987. "Inuit concerns about obstetric policy in the Keewatin region, NWT," paper prepared for presentation at the 7th International Congress on Circumpolar Health, Umea, Sweden, June 8-12, 1987, 12 pages. *See also* Kaufert, Patricia A., and others, above.

O'Neil, John D., and others. 1987. "Health communication problems in Canadian Inuit communities," paper prepared for presentation at the 7th International Congress on Circumpolar Health, Umea, Sweden, June 8-12, 1987, 12 pages.

Pearce, Cheryl M. 1987. "Development of white spruce woodlands on the Mackenzie Delta,NWT," summary and long abstract of a paper presented at the 1987 annual meeting of the Association of American Geographers, 4 pages.

--. 1987. "Vegetation dynamics on shorelines of the Mackenzie Delta, NWT," 2 pages.

Peterson, Gordon H. 1987. "Ground cover mapping on the winter range of the Beverly Barren-ground caribou herd using remote sensing techniques: an aid to management," unpublished master's thesis, University of Calgary, 111 pages.

Phillips, Stephen M. no date. "Shear zone in the Devonian Eids formation, head of Canon Fiord, west central Ellesmere Island, Northwest Territories," 12 pages.

--. no date. "Structural investigations on the Fosheim Peninsula, west central Ellesmere Island, Northwest Territories," 12 pages.

Ritchie, J.C. 1987. "Postglacial vegetation and environments of northwest Canada," 1 page.

--. 1986. "Climate change and vegetation response," *Vegetatio* 67: 65-74.

Ritchie, J.C., and Macdonald, G. M. 1986 "The patterns of post-glacial spread of white spruce," *Journal of Biogeography* 13: 527-40. *See also* Macdonald, G.M., and Ritchie, J.C., above.

Robertson, Kelly. 1987. "Progress report 87," 4 pages.

Russell, Dale A. 1987. "Re: Science Research Licence Number 6086," 2-page summary.

Sadock, Jerrold M. 1987. "General report on research conducted in June-July 1987," 3-page general-interest report.

--. "Noun incorporation in Keewatin Inuktitut," 22-page report.

Spencer Environmental Management Services Ltd. 1987., "Bottom sediment background study, Bullmoose Lake Gold Project, 1986"; "Benthic invertebrate investigations, Bullmoose Lake Gold Project, 1986"; "Water quality investigations, Bullmoose Lake Gold Project, 1986"; "Fisheries investigations, Bullmose Lake Gold Project, 1986".

Sparling, Paul D., and Stewart, D. Bruce. 1986. "Data from the monitoring of domestic/commercial fisheries for Arctic Charr in the Big Fish River and Rat River areas, Northwest Territories, 1986," Department of Fisheries and Oceans, 28 pages.

St.-Onge, Denis A. 1987. "Quaternary geology work in the Bluenose Lake region, Northwest Territories," 3 pages.

St.-Onge, Denis A., and McMartin, Isabelle. 1987. "Morphosedimentary zones in the Bluenose Lake region, District of Mackenzie." In *Current Research, Part A, Geological Survey of Canada, Paper 87-1A* , pp. 89-100.

Stenton, Douglas R. 1987. "The Nettilling Lake archaeological project," a 3-page non-technical report.

--. 1986. "Mitigation of the Sandy Point site (L1Dv-10), Baffin Island, NWT," a report submitted to the Prince of Wales Northern Heritage Centre, 58 pages.

Stravers, Jay A. 1987. "Glacial deposits of the northern Baffin Island region, a report to the Science Institute of the Northwest Territories." Excellent, readable summary, plus a 51-page paper entitled "Quaternary glacial and raised marine stratigraphy of northern Baffin Island fiord."

Taylor, C., and Morris, T.F. 1987 "Evidence for drumlin formation: southern Prince of Wales Island, NWT, Canada," brief abstract in the program for the annual meeting of the Canadian Association of Geographers, western division, March 13-15, 1987.

Taylor, R. B. 1987. "Coastal surveys in the central Queen Elizabeth Islands (Dundas, Devon, Somerset, Cameron, Lowther Islands, NWT," Cruise Report 86303, Bedford Institute of Oceanography, Geological Survey of Canada, 45 pages. *See also* Forbes, D. L., above.

Thannheiser, Dietbert. 1987. "Plant communities of the western Canadian Arctic archipelago and their distribution patterns (1986)," 1 page.

Therrein, Beverly K. 1987. "Native participation in public policy making and the advancement of native interests in northern Canada: a case study of the Porcupine Caribou Management Board," unpublished M.A. thesis, University of Alberta, 108 pages.

Vermette, S. J. 1987. "Spring/summer precipitation quality in the Canadian eastern Arctic," 5-page unpublished report.

Walker, Marilyn. 1987. "Food systems and caribou Inuit of Eskimo Point: a preliminary study," 21 pages.

Walters, James E. 1987. Untitled report of field work, 1986, 2 pages.

Weber, Richard. no date. "Soviet-Canadian Transpolar ski expedition: 'Polar Bridge expedition, inc.'" project statement, Conexus Research Group Inc., 18 pages.

Weider, Lawrence J. no date. "Ecology and genetics of the water flea, *Daphnia pulex,* on Igloolik Island, NWT," 4 pages.

Weider, Lawrence J. , and others. 1987. "Clonal diversity in high-arctic populations of *Daphnia pulex:* a polyploid apomictic complex," in press.

Wein, Eleanor E., and Sabry, J. Henderson. 1987. "Nutrient intakes of northern native Canadians near Wood Buffalo National Park, progress report as of December 1987," 1 page.

--. 1987. "Use of country foods by Native Canadians in the Wood Buffalo National Park area," abstract of a paper published in *Journal of the Canadian Dietectic Association* 48: 184-85.

Welch, H. E. 1987. "Arctic Marine Ecology Program, central and Arctic region," 14 pages.

Welch, H.E., and Legault, J.A. 1986. "Precipitation chemistry and chemical limnology of fertilized and natural lakes at Saqvaqjuac,NWT," *Canadian Journal of Fisheries and Aquatic Sciences* 43: 1104-34.

Wiggins, Glen B. 1986. "Trichoptera (Caddisflies) collected in the Yellowknife area, NWT, August 1986," 5 pages.

Wolf, Allan. 1987. "Northwest Territories report," 1 page.

Young, G.M. no date. "Report on preliminary investigation of the Upper Shaler group, (late Proteozoic), Victoria Island, NWT.," 5 pages.

Yurick, D. B. 1987. "Boundary options for a marine park area of interest, eastern Lancaster Sound," Environment Canada, Parks, 36 pages.

The Science Institute
of the Northwest Territories
Box 1617
Yellowknife, NWT
X1A 2P2
306-873-7592

iNET SCINT.NWT

Telex 034-45528

Northwest Territories